

Manufacturers Record

Exponent of America



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NOVEMBER 27, 1924

Thanksgiving Day



Blessed with material resources and material wealth far beyond any other country in the world, blessed with more widespread prosperity than the people of any other country in human history, blessed with a higher standard of living and of greater comforts in the home than mankind has ever known, blessed with religious liberty to an extent not equalled elsewhere—surely, this nation should on this Thanksgiving day, with hearts full of gratitude, render praise by word and by deed to Almighty God, who with infinite mercies has crowned our land.

Above all material blessings, worth infinitely more than all our wealth, present and prospective, is the blessing of living in a Christian country, where the Cross of Christ, the hope of the world, affords an inward peace, a joy eternal, beyond all power of language to express.

In vain will be our increasing wealth, our wonderful advance in riches and in living comforts, in scientific advancement, unless they be dedicated to the service of God and man; unless the poor and helpless are cared for, unless the maimed, the halt and the blind are helped, unless the deformed child, born to suffering, has every advantage of the highest medical skill to give to him the health and strength denied him in his birth. Unless our wealth and power are thus dedicated and consecrated to such holy causes, they will prove a curse, rather than a blessing.

Unto whom much has been given, of him shall much be required.

Then, as a nation with hearts full of gratitude to God, let us this day mingle with our songs of Thanksgiving, our prayers for hearts dedicated to this Divine work.



*Dam for Power Plant of Southern Canada Power Company,
Hemming's Falls, Quebec, Can.
The Foundation Company, General Contractor*

An additional 30,000 h.p. hydro-electric development was required by the Southern Canada Power Company to meet the increasing demand for power in the Province of Quebec. The new plant, now under construction at Hemming's Falls on the St. Francis river, will consist of power house, main dam with wing walls, and an additional earth fill dam. The power house which is part of the main dam, is 247 feet long and will contain six 6,000 k.v.a. units. Construction was started by The Foundation Company, as General Contractor, in September, 1923. The plant is nearing completion and will be turned over to the owners early in 1925.

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BUILDERS OF SUPERSTRUCTURES AS WELL AS SUBSTRUCTURES

NOVEMBER 27, 1924

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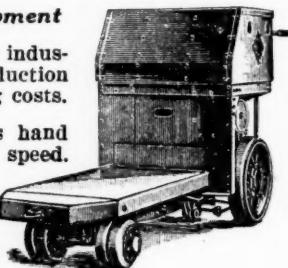
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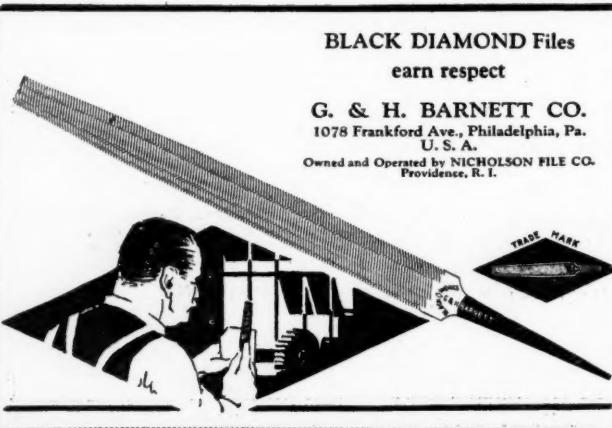
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Manufacturers Record

EXONENT OF AMERICA

Devoted to the Upbuilding of the Nation Through the Development
of the South and Southwest as the Nation's Greatest Material Asset

Trade-Name Registered in the U. S. Patent Office

Vol. LXXXVI No. 22
Weekly.

BALTIMORE, NOVEMBER 27, 1924.

{ Single Copies, 20 Cents.
\$6.50 a Year.

In the Light of What Great Business Leaders Say of the South, the Manufacturers Record Has Been Almost a Pessimist.

IF "The South's Development" which is now going through the press, and will be mailed early in December, contained but little else than letters from business men of the highest standing in other sections who voice their opinion as to the future of the South, it would still be invaluable in turning the thoughts of the people of the entire country to the South.

From some of the great leaders in industry and in finance, we have received for that publication letters which must necessarily have a profound influence in convincing the country that the South is to see a development in the future far exceeding that of the present.

That the South is the most inviting field in the world for investment and for industrial development, that its resources are almost measureless in extent, are the tributes which men in the North and West through "The South's Development" have paid to what this section has accomplished while their forecast of its future will stimulate a nation-wide interest in the opportunities offered in the South. Taking just a sentence or two from these letters which in the aggregate may be properly called a forecast of the future, we have some remarkably strong statements. In these sentences we have the testimony and tribute to the South which could not be more strongly expressed by the most enthusiastic native of the South.

The MANUFACTURERS RECORD has always been called an optimist on the South, but we are now inclined to feel that in reality we have been a pessimist as measured by what the business leaders of the East and West say of the South. Here are a few extracts:

George M. Verity, president, The American Rolling Mill Co., Middletown, Ohio:

"The Natural resources of South when adequately developed will add wealth and power to the Nation equal to that of all continental Europe."

E. M. Herr, President, Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa.:

"Safe to predict an even more rapid development of economic resources of Southern states."

C. Stewart Lee, The Pusey and Jones Company, Wilmington, Del.:

"The field for development and investment in the South is in its infancy."

R. H. Jeffrey, President and General Manager, The Jeffrey Manufacturing Co., Columbus, Ohio:

"A keen and growing appreciation of marvelous wealth in natural advantages."

Haley Fiske, President, Metropolitan Life Insurance Co., New York:

"An expansion possible and probable, almost inestimable."

A. B. Farquhar, A. B. Farquhar Co., Limited, York, Pa.:

"Destined to become one of the richest, most enterprising and progressive sections of the world."

Chas. L. Reese, Wilmington, Del.:

"The South's unbounded resources, water power and climate will contribute to a development undreamed of in past."

Wm. H. Barr, President National Founders' Association, Buffalo, N. Y.:

"The Southern states will be a stimulating factor in the great industrial and commercial advance of the nation."

R. M. Bissell, President, Hartford Fire Insurance Company, Hartford, Conn.:

"An Enthusiastic Believer in Tremendous Possibilities of South."

Arthur D. Little, Arthur D. Little, Inc., Cambridge, Mass.:

"The treasure house of the Nation."

Francis P. Garvan, New York:

"Will make the South the corner stone of the Nation's greatness."

Lewis L. Clarke, President, The American Exchange National Bank, New York:

"The potentialities and the future of the South worthy of the highest consideration."

Willis L. King, Vice President, Jones & Laughlin Steel Corporation, American Iron and Steel Works, Pittsburgh:

The development of the South appreciated by all the Nation.

Arthur Reynolds, President, Continental and Commercial National Bank of Chicago:

"The South is one of the Nation's most prized and precious assets."

A. C. Goodyear, President, Great Southern Lumber Co., Buffalo, N. Y.:

The South's future to exceed the expectations of its most sanguine prophets.

Charles Piez, Chairman, Link-Belt Company, Chicago:

"An insufficiently appreciated section of our country."

J. Kruttschnitt, Chairman, Southern Pacific Company, New York:

"Transformation into a vast commercial empire has been one of wonders of our time."

Dr. Charles L. Parsons, Washington:

A fortune made from Southern sulphur to be dedicated to agriculture.

R. B. Ives, President, Aetna Insurance Company, Hartford, Conn.:

Growth slow as compared with what it will be.

W. A. Day, President, The Equitable Life Assurance Society of the United States, New York:

"I believe the future holds in store a transcending development and progress, of which all that has yet been done in time will be regarded but as the crossing of the threshold."

B. F. Yoakum, New York:

"The South's spiritual and material development a contribution to civilization whose value can not be computed."

Hearn W. Streat, Blair & Co., Incorporated, New York:

"The South has at last swung into its stride."

John D. Rockefeller, Jr., New York:

Amazing progress in the past will be exceeded by far greater progress of the future.

T. F. Menseles, President, Montgomery Ward & Co., Chicago:

"It is hard to conceive of any limitation to the development of the South."

Arthur V. Davis, President, Aluminum Company of America, Pittsburgh, Pa.:

"The development of the South unmatched in history, but only the forerunner of greater accomplishments."

Alexander Legge, President, International Harvester Company, Chicago:

Crop diversification bringing new prosperity to the South.

N. F. S. Russell, President, United States Cast Iron Pipe Foundry Co., Burlington, N. J.:

"The South is only on the threshold of its development."

Edward Prizer, Chairman, Vacuum Oil Company, New York:

"The greatest opportunities for advancement and development during the next generation lie in the South."

All the letters from which these brief extracts are taken are full of enthusiastic optimism about the South. They voice the real thought of the nation in contrast with the doubt and uncertainty of many of our business leaders only a few years ago.

The South has captured the cotton manufacturing business, now having an investment of over \$1,000,000,000 in this industry as compared with \$822,000,000 for the entire country in 1910.

The South is capturing the coal trade with an annual output of about 200,000,000 tons.

The South has one-third of the world's petroleum production and more than one-half of the output of the country or 367,000,000 barrels out of a total for the United States of 732,000,000 barrels.

The South is now capturing the paper trade, as illuminatingly proven in "The South's Development"; and even now two \$10,000,000 paper making enterprises to be located in the South, are being made ready for the early announcement of details, one of these plants being the proposed transfer of a great paper concern from New England to a location already secured in the South.

These and a thousand other things of equal interest are elaborately covered by more than a hundred remarkable special articles and letters which will appear in "The South's Development," to appear early in December.

AIR MAIL SERVICE FOR THE SOUTH.

RESOLVED, That the Board of Directors of the Savannah Board of Trade respectfully urge that the Post-office Department of the Government of the United States establish at the earliest possible date a South Atlantic Air Mail Service between New York and South Atlantic ports whereby the time of postal transportation can be reduced from twenty-four and forty-eight hours to one-fourth that time for special mail matter."

This request is not only reasonable and just, but imperative. As cited in the preamble to this resolution, "the transcontinental air mail service between New York city and San Francisco has proven a success and IS RECEIVING THE ENTHUSIASTIC SUPPORT OF GOVERNMENTAL (caps ours) and business interests"; such service for the South is of the same importance and should receive exactly the same "enthusiastic support of the Government."

Through the transcontinental air service, the transportation time for that mail has been reduced virtually from five days to one day, or 80 per cent. The Savannah Board of Trade asks similar reduction of only 25 per cent.

Further, as the preamble also states:

"The Southeastern section of the country is today the most rapidly developing part of the United States and is of outstanding importance commercially and industrially, and is not receiving any marked benefits of the established air mail service, nor enjoying the opportunity of playing a vital part in the further successful development of air mail service."

The Savannah Board of Trade speaks with commendable calmness, not to say restraint. Just why one of the greatest and most important sections of the country—certainly, the most rapidly developing—should be ignored in the air mail service is difficult for a business man to understand. So long did the Government watch the course of Empire take its westward way that Uncle Sam seems to have contracted astigmatism—he sees clearly one point of the compass only, and does not get another into the perspective. Industry, commerce, business and education have turned to the South and are making it their home, their factory and their mart, but the Government as yet does not seem to realize the tremendous strides with which the South progresses. The Savannah Board of Trade does well to emphasize to the Postoffice Department that "the Southeastern section of the country is today the most rapidly developing part of the United States and is of outstanding importance commercially and industrially." But it should include the whole territory out to Texas. This is a fact that should be hammered home by iteration and reiteration.

There is not one corner of the country in which business is not materially interrelated with the business of the South and Southeast. The South asks no special favor for itself; any benefit accruing to it from expansion of the air mail service will be only proportionate to that accorded to the rest of the land. The Savannah Board of Trade speaks for New England, the North, the middle West and the Far West when it asks for adequate mail facilities.

In a general way it might seem that such a service should start at Baltimore, and include Norfolk and that area; Richmond, with its great banking institutions and its tobacco and other important interests; the Carolinas, growing rapidly, and so on down the coast, with incursions as far into the interior as may be practicable; through New Orleans to the great cities of Texas. The details of "trunk lines" and "feeders" must be worked out by the Postoffice Department.

The Savannah Board of Trade lays stress on the "encouragement in the development of aviation" through this expansion of air mail service—a point not to be carelessly overlooked. Now let every commercial organization in the South join the Savannah Board of Trade and work for this rapid postal service.

SOUTHERN EXPOSITION TO BE POSTPONED TO NEXT NOVEMBER.

AT the request of some state commissioners and other proposed exhibitors who found it impossible to get ready in time for January, the date set for the Southern Exposition, the managers have announced the postponement to next November. Mr. William G. Sirrine, the president, wires the MANUFACTURERS RECORD that he has received many messages approving this action.

A statement issued by Mr. Sirrine points out why it was necessary to postpone the Exposition in order to give all of the states which had not yet been able to secure state appropriations an opportunity to do so and thus have the entire South more adequately represented than would have been possible in the limited time at their disposal.

The work that has been done by Mr. Sirrine and his associates has stimulated the entire country to the importance of this Exposition and we trust that this enthusiasm will be intensified and that there will be no lagging in the active work of preparation.

It seems hardly necessary to repeat the statement which we have often made, that no one connected with the MANUFACTURERS RECORD has in any way whatever been connected, directly or indirectly, with the Southern Exposition. We have given it unstinted commendation, believing that it will be of enormous value to the South and it is important that every business interest in the South be united in the determination to push this section boldly and bodily into the financial center of the East, indeed, the financial center of the world, with an exhibit of the resources of this section worthy of their magnitude and of this opportunity.

ECONOMIC VALUE OF ATTRACTIVENESS IN APPEARANCE OF RAILROAD EQUIPMENT.

GAYETY in the adornment of railroad equipment appears to have attained its maximum in a new interurban two-car train put in service by the Northern Texas Traction Co. on its line between Fort Worth and Dallas, 32 miles. A report from Fort Worth says that both cars are painted a bright red, with trimmings of white and gold, and that all limited trains of the company are to be similarly decorated. This apparently far out-classes a train put in service not long ago by one of the English railroads, which beautified the exterior of its cars with shades of chocolate and cream color. Over there they also paint locomotives in lively hues. Imagine such a train flying athwart the landscape pulled by a green locomotive with red striping! But even then the Texas scooter would seem to have an advantage over its British contemporary as to brilliance.

In the earlier days of railroads in this country there was a disposition among railroad companies to paint their engines and cars attractively, and recently in one or two instances there have been minor indications of a tendency to return to the practice, one of them being a crack train on the Chicago Great Western Railway. In the old days on the Philadelphia, Wilmington & Baltimore Railroad, which is now part of the Pennsylvania's main line from New York to Washington, there were at least two engines used in express service which were especially handsome. Their cabs, for instance, were of walnut, natural-wood finish, and there were some lively colors, red and blue, notably, that were used in painting parts of the engine and tenders. Brass bands around the locomotive boiler jacket were brightly polished and the general appearance of these locomotives was very attractive. Nowadays, the fine powerful engines used to draw the best

passenger trains are somber black, their numbers being the only variation from the sable hue, with a consequence that the big machines are about as good-looking as blacksmith's shops on wheels would be.

It is not to be doubted that railroad companies would find it economically profitable to pay some attention to making the exterior of passenger equipment more attractive to the eye, especially in the instance of widely advertised through trains, particularly those which are favorites with tourists to Florida in the winter and those to the mountains and the seaside in summer. They need not, perhaps, attain a degree of luminance equal to that of the Texas train before mentioned, but a certain amount of attention to artistic coloring of engines and cars would in all likelihood find a profitable echo in the pecuniary returns at the end of a season.

A NEGRO EDITOR ON THE CHILD LABOR AMENDMENT.

THE COTTON FARMER of Scott, Miss., is a very intelligently edited paper for the colored people of that section. Its editor, the Rev. Mr. Ad Wimbs, knows what his people need and he knows how to present their needs. In its issue of November 8, discussing the proposed "Child Labor Amendment," the Rev. Mr. Wimbs says:

"This plantation paper has been asked to support this amendment, and while we realize its support, or its opposition will not have any very decided effect, the one way or the other, yet at the same time we can contribute our mite. We cannot bring the conscience of the Editor around to the support of this proposed amendment. The age limit is entirely too high for the good of our race. How in the world would a poor colored American cotton producer meet the situation with A WIFE AND TEN CHILDREN, ranging in age from TWO YEARS TO EIGHTEEN, the field full of cotton, and only himself, his wife and the eighteen year old child allowed to work? In the meantime how would he manage about the children in their teens? 'An idle brain is the devil's workshop.'

"The statement of the Commission on Social Service of the Federal Council of the Churches of Christ in America cites the fact that the amendment was overwhelmingly submitted by Congress and that such men as President Coolidge, John W. Davis, Robert M. LaFollette, the late presidents Harding and Wilson, and other notables all supported the amendment and numbers of notables are now pushing the ratification of the amendment, and that twenty-five national organizations back the ratification of the Amendment. Organized effort is all powerful and with the sinews of war in their possession in this day and generation organized effort generally succeeds. We certainly do not want a bureau in Washington, presided over by a high salaried childless man or woman, making decrees as to when our children shall go to bed, when they shall get up, how their meals must be prepared and what they should eat.

"We need man power in our nation, and certain it is, in case this amendment becomes a law, our birth rate within the next decade will be very materially reduced, and unless the Government will subsidize the man with ten children, as pictured above, the doctrine of Malthus would of necessity have to be resorted to."

WILL CONGRESS CONTINUE SUBSERVIENT?

MOST interesting and important to the plain citizen on the sidelines is the fact that 92 per cent of the Congressional candidates who were "blacklisted" by organized labor were triumphantly elected. Now, will the American Congress, which long has been abjectly subservient to organized labor, grasp the fact that the union membership is an almost negligible factor in politics, or will the "statesmen" continue terrified by the raucous shouting and intimidation by labor, and feel that their continuance in office is dependent on their obedience to that element? The plain citizen on the sidelines will hope for the best—but, on experience, he will be prepared for the worst.

Will You Study It?

The work of the Manufacturers Record during the last 42 years has resulted in bringing into this section billions of capital; but even the value of this money is, in our opinion, far less significant to this section than the stimulation which has been created in the minds and hearts of Southern people about the boundless resources of this section and the enthusiasm which it has brought into existence on the part of Southern people for the upbuilding of their country.

From the day this paper was established it became the source of information about the South. It soon established what might be called a census bureau, constantly compiling from month to month, and year to year, and publishing in its own columns and in pamphlets and circulars, and in its "Blue Book of Southern Progress," facts about the South which have been distributed to the extent of many millions of copies. This literature has been sent year after year to the leading newspapers of America. It has been furnished to public speakers in the South and in the North and West, in Congress and in the pulpit, for nearly every important address which has been made on the South during that period.

From the day when Henry Grady wired this office for statistics about Southern growth to be used in his great Dallas address, up to the present time, this paper has been drawn upon by many thousands of others who sought information for public addresses. School boys constantly write for suggestions for their commencement speeches; college presidents have used its facts and figures constantly; commencement orators have done likewise. It has been said, and we believe truthfully, that it is more widely quoted in Congress than any other paper in the land. During the war, Dr. Newell Dwight Hillis, shortly after his return from the battlefields of France, in a public address said:

"Though the Manufacturers Record is published only once a week, I saw it quoted in Europe more often than any daily paper published in the United States."

The Manufacturers Record has often persuaded some of the great business organizations of the country to hold their annual meetings in the South. Among these have been such associations as the American Iron and Steel Institute, the National Association of Cotton Manufacturers, the American Electrochemical Society, and many others. But perhaps, as we have said, the greatest good it has done for the South is the inspiration which it has given to Southern people, the stimulation to the people of this section to look to the development of their own region rather than to seek opportunities for employment in other sections.

Some years ago the Manufacturers Record issued a special publication entitled "Bankers' Edition," a copy of which was sent at its expense to every bank and banker in the United States, and this was only in keeping with the methods which we have followed in one form or another in such publications as "Thirty Years of Southern Upbuilding," "The South the Nation's Greatest Asset," the annual editions of the "Blue Book of Southern Progress," and other things which have been widely distributed in all parts of this country and throughout Europe. One edition some years ago was so highly regarded by Mr. Stuyvesant Fish, president of the Illinois Central Railroad, that he bought 10,000 copies and had nearly all of them mailed direct to leading people in Europe.

All the work which we have been doing reaches for the present its highest point in the publication of

THE SOUTH'S DEVELOPMENT

A Glimpse of the Past.
The Facts of the Present.
A Forecast of the Future.

This is the crowning work of this publication up to the present time. Perhaps we shall surpass it in importance and extent of circulation in the years to come, but we know not. It will be difficult ever to do so.

We commend to every reader of this paper an earnest study of what they will find in "THE SOUTH'S DEVELOPMENT" as the broadest treatment of the South, past, present and future, that has ever yet been given to the public. And we can say this without egotism because so many of the special articles are by men in no way connected with this paper. We can easily guarantee that every man or woman who reads a copy will be grateful for the privilege. Have you ordered a copy or copies?

THE INCOME TAX PROBLEM.

E. H. DAVIDSON, managing director of the Citizens' Alliance of St. Paul, Minn., writing to the MANUFACTURERS RECORD in regard to the suggestion recently made that so long as the income tax stands, every man and woman should be required to make a report of their income under oath, regardless of whether they have enough income to require to be taxed or not, writes:

"How would it be if, instead of starting in on the general public and the average payer of income taxes, we put the members of Congress on the grill first? I imagine a sworn statement from members of Congress as to all sources of income and outgo would be tremendously interesting to the public at large. Any newspaper that could get the exclusive rights for publishing the findings would make a fortune in itself. We agree with you absolutely that as long as we are going to start this kind of espionage, we begin on the people responsible for it—begin with Congress itself."

The very suggestion that Mr. Davidson makes, that this would develop an interesting situation in which Congressmen would have to swear to their income, would probably make very many Congressmen loath to pass such a bill. Nevertheless, we are satisfied that the suggestion is a good one. There is no more reason why the man who has an income of \$5000

or \$500,000 should be required to swear to his income than why the man or the woman who has \$500 or \$1000 income should not swear to his or her income. The effect would be good from many points of view. It would cause all the people of the country to see some of the iniquities connected with the income tax situation, and it would discover millions of men and women whose income is sufficiently great to justify their paying an income tax so long as that system prevails but who do not now do so. Millions whose incomes are now sufficiently large to come under the income tax law, but who escape it by not being called upon to make returns, are robbing the country and robbing those who do pay income tax.

There is no system now prevailing which enables the Government to find out all who do have incomes sufficient to justify their being on the income tax list. More or less it is a voluntary thing where honest people who come in that class voluntarily to a large extent report their incomes. But the Government makes no thorough search of the entire country to find out who is liable, and thus millions pay no income taxes.

Under the plan proposed by the MANUFACTURERS RECORD the system would be as complete as the census in taking the population, and every man and woman in the country would, under oath, be compelled to make a return, however small their income might be.

America Must Not Recognize Soviet Russia.

THROUGH "the changes and chances of this mortal life," William Edgar Borah of Idaho presumably will become chairman of the Senate Committee on Foreign Relations, in succession to the late Henry Cabot Lodge, while, through the death of Senator Brandegee, Senator Hiram W. Johnson of California will become understudy to Chairman Borah. Able men, both, but not of an American attitude conducive to absolute confidence in their guidance of foreign affairs.

For, from the records of the annual conference of the Woman's International League for Peace and Freedom, held in Washington, March 13 to 16, 1923, it appears that both these statesmen were regarded as at least sympathetic with its demand for recognition of Soviet Russia. As recited by Miss Lucy G. Branham, executive secretary of the Women's Committee for Recognition of Russia, and also a member of the Joint Amnesty Committee:

"We have arranged a luncheon in Washington at which Mr. Paul Reinsch, former Ambassador to China, and Senator Joseph France of Maryland spoke; two meetings for Senator Borah, one at the Academy of Music in Philadelphia, at which Senator Borah made his first splendid speech for recognition of Russia, and the other in Boston. Senator Borah also spoke in Chicago at a Joint Amnesty meeting."

And, said the late R. M. Whitney, author of "Reds in America," "some of the Senators named by Miss Branham as working for, or being very favorably disposed toward, recognition were, besides Senator Borah, Senators La Follette, Johnson of California, Reed of Missouri, Ladd of North Dakota, France of Maryland, McCormick of Illinois and Caraway of Arkansas." McCormick, by the way, is on Foreign Relations, but retires, through defeat, from the Senate next March.

Now, what is this Soviet Russia which Senator Borah, prospective chairman of the Foreign Relations Committee, is said to propose to recognize? What is this Soviet Russia with whose recognition Senator Johnson, ranking Republican committeeman, is said to be sympathetic? No one knows better than Emma Goldman, long most lurid of the Reds and even now a political deportee from the United States. Said Emma Goldman at a dinner in London November 11:

"I have come here to throw some light on Russia—I know the Russian situation better than most people who have written about it, and I have come out to speak for the oppressed masses of Russia, silenced as they never were under the Czar.

"There are thousands in prison and concentration camps in Russia, not for opposing the Government but for opinion's sake. To call the Soviet Government a workers' experiment is the most preposterous lie ever told. The party in power is undermining all that was best in Russia."

True, Goldman's grievance is that Russian sovietism has not yet gone to the extreme she advocates; but, at all events, she portrays a condition, under Soviet regime, under which "the oppressed masses" are "silenced as they never were under the Czar."

Even greater is the crime against the people in the Soviet edict that children shall not be informed about God and God's religion—of the Christ who said, "Suffer little children to come unto me, and forbid them not, for of such is the kingdom of heaven"—of the God who tempers the wind to the shorn lamb and even is able to comfort and rescue such suffering humans as the victims of the Soviet Government—a God of such wondrous love and power that He is willing and able to forgive even the Russian oppressors if they turn from the evil of their ways.

To all civilization and the world at large Soviet Russia is a menace—an undisguised savage, moving openly and insidiously for the destruction of mankind, in soul and body. Repudiation of just debts to other nations is least among Russia's sins; it is negligible in comparison with its other devilments, and almost may be disregarded.

The Woman's International League for Peace is a fit sponsor for soulless Russia. Take, for instance, the "Slacker's Vow" submitted to the 1922 conference of the United States section of the Woman's International League for Peace by Mrs. Harriet Connor Brown:

"Go to war, if you want to, but know this: We have pledged ourselves not to give you our children, not to encourage or nurse your soldiers, not to knit a sock or roll a bandage, or drive a truck, or make a war speech, or buy a bond."

The pledge was not made a pre-requisite for membership "lest such a test keep possible new members out" of this League; but, as Mrs. Brown reminded the executive board, "You know that we all hold the pledge in our hearts—if not, what is the reason for our existence?"

Prominent among the members, of course, is Jane Addams, regarded by well-informed, patriotic Americans as a dangerous radical; among the others, picked at random from the list, are Miss Adelaide Borah of Washington, D. C., member of the Soviet Russia Recognition delegation to the Secretary of State, March 21; Mrs. Robert M. La Follette, wife of Senator La Follette, described as "active in recognition of Russia, and says she will make it her life-work to defeat all military plans of the Government"; Julia C. Lathrop, former chief of the Children's Bureau in Washington and a resident of Jane Addams' Hull House; Miss Emma Wold of Oregon and Washington, D. C., organizer for the Woman's Committee on World Disarmament and said now to have "a desk in the Congressional Library" for her work for the National Woman's Party; Dr. Mary D. Hussey of Pennsylvania and New Jersey, who "boasts that she did nothing to help the United States win the war, and that she did all she could to prevent other women from helping."

For the United States to recognize Soviet Russia would be moral suicide—to be followed in time by religious, material and physical degeneracy, till the country should perish, soul and body.

The honest, decent, God-fearing American people will not tolerate recognition of Soviet Russia, and it may be well for Senator Borah and other pro-Soviets to grasp this fact before they go to extremes.

A PROBLEM SOLVED.

A RECENT circular issued by Nation's Business, published by the Chamber of Commerce of the United States, says:

"Don't you wish sometimes that * * * you could read something about business that is really interesting as well as fully worth while? But usually such reading is a bitter pill to take. It is so dry and dull. Haven't you often wished for something at home that you could read with pleasure, and still be storing up business information for the next day? Nation's Business solves the problem."

"The Nation's Business is published by the United States Chamber of Commerce and doesn't have to make money for anyone."

What modesty, what self-abasement, is here shown. Uriah Heep's modesty pales into insignificance by comparison.

And so the business papers of the country heretofore supposed by millions of supposedly intelligent men to be interesting and valuable are merely "a bitter pill" to those who have to read them. How thoughtful it is that the august "Chamber of Commerce of the United States of America" has come to the rescue of the poor benighted business men of America by offering for a "bitter pill" a soporific guaranteed to put them to a mental sleep every dose they take.

Strange, indeed, that the American Chamber of Commerce of the United States of America, supposed by some to be a

real institution for helping the country, should be guilty of sending broadcast such silly, childish twaddle as the stuff we have quoted and thus seek to belittle all the business papers of the country, and slap in the face the millions of intelligent business men who do read such publications. For "ways that are dark and tricks that are vain," the Chamber of Commerce of United States of America, measured by its circular about it's house organ, does not need to call upon the "Heathen Chinee" for any instruction.

THE LITERARY AND EDUCATIONAL PROGRAM OF INDIANA.

RECENT remarks on education at DePauw University, in Indiana, by Guy Morrison Walker, a New York attorney, brought out the fact that the standard of DePauw was so high and the training given so efficient that it surpassed the great Eastern universities as a maker of able citizens. We believe that Mr. Walker has adduced evidence that will stand the test of closest examination. However, he assumed that the Western schools of higher learning in general were superior to many of the leading universities on the Atlantic Coast for the peculiar purpose of fitting men to pursue the policies laid down by the early scholars to whom this American republic owes its liberty-conserving principles.

We are not prepared to deny this claim for the West, but we believe there is something special about Indiana that imparts high ideals to its citizens and that gives to DePauw and to other colleges in Indiana a notable excellence. Sidney Lanier said of the metropolis of Maryland: "The world has bloomed again at Baltimore." Likewise may it be said that the world has bloomed again in Indiana. The one thing that constitutes human "bloom" is intellect, and, above all, creative intellect. Indiana has displayed a remarkable measure of such high quality.

Why did a numerous group of premier literary men and women develop in that state? It is astonishing to see how lengthy is the list of great names that have risen there and been exalted so that all the world knows and honors them. Edward Eggleston's "Hoosier Schoolmaster" was one of the earliest novels from Indiana to win instant and universal fame. It was published in 1871, soon followed by that marvelous portrayal of the middle West conscience in "The Circuit Rider," issued in 1874. These two volumes are basic documents for the study of the type of American that built the power and strength of the mid-Mississippi Valley. It was by no accident that Eggleston revealed so fully the heart of the pioneers, for he had deeply searched the spirit of the men and women who came there, chiefly from the Southern states, as shown in his illuminating treatise published in 1900 on "The Transit of Civilization."

At the same moment another great genius, lawyer, soldier, diplomat and Christian, with vivid understanding of the spirit of the early troubous days of the Church, General Lew Wallace, sent forth from his Indiana home that marvelous tale of the struggles of the devoted followers of Christ in the Roman Empire, "Ben Hur," a gripping story that has gone into every part of the Christian world and has been translated into more languages than any other book except the Bible and the "Imitation of Christ."

Then, in 1898, another star appeared, a novel whose beauty, whose sweet and delightful humor, and whose delicate characterization of the men and women of the days of King Henry the Eighth, is inimitable. This was the book that suddenly lifted an obscure attorney, Charles Major, into the empyrean by the vision that seemed to have come down to him from the days "When Knighthood Was In Flower."

On the heels of this came another of those delightful resuscitations of the past that possess enduring charm, the bril-

liant story of "Monsieur Beaucaire," by Booth Tarkington, whose lofty flight has been sustained from that day to this. After all these the end has not been reached. Close upon him follows that polished writer, Meredith Nicholson, whose, "Port of Missing Men" has delighted tens of thousands on both sides of the Atlantic, and whose list of many volumes all may be classed as literature of the first order.

While this was doing in the province of fiction, a poet began to sing. He sang of the cornfields, of the dewdrops along the garden pathway, of the humble tree-toad, of "The Ole Swimmmin' Hole," of the days so dear to the hearts of those who understand the joys of the old-fashioned American home life,

"When the frost is on the pumpkin'
And the fodder's in the shock * * * *,"

and who thrill at "That Old Sweetheart of Mine." He sang himself not only into the hearts of his countrymen, but, throughout the world where the English language is understood, his fame keeps traveling forward, the peer to Robert Burns, constituting, with Robert Burns, the greatest duo of singers of the plain people in all the languages of men. If Indiana had given no more than James Whitcomb Riley, it would have yielded her universal distinction.

She has done more, for her creative power keeps pouring out as from an inexhaustible fount. Among all the American writers of this day there is but one who can rival in popularity that woman of the Indiana woods and meadows and schools, Gene Stratton Porter. A few years ago the late Walter H. Page conducted the writer through the publishing establishment of Doubleday, Page & Co., at Garden City, Long Island, and pointed out the huge presses laboring away, reeling off the pages of books that the public demanded, and he directed attention to the startling fact that Gene Stratton Porter's novels claimed, at that time, all the presses in that great modern plant but one, which they simply had to reserve for others, since it was necessary to publish at least, a few books besides those of this distinguished Indiana woman. Mrs. Porter is to the present epoch what Eggleston was to the epoch that closed the pioneer days. She reveals the soul of the present-day citizen of the middle Mississippi Valley. Still is it intensely religious, pious, sincere, as of old.

It is evident that something unusual happened to produce so much glory as this. These things are not accidental. The good people of Indiana may have their own explanation ready. It occurs to us to seek an explanation in the origin of the men and women who settled the state. They came overwhelmingly from the South, from those states where culture was traditional. They were men and women with ideals, with the courage also to become pioneers, which is something of importance. They began from the earliest days to insist upon good schools, and today there is but little illiteracy in the state. For many decades primary education has been compulsory for all classes. The grade of the schools of Indiana has long been noted as of surpassing excellence. Colleges early began to appear, and today there are nineteen first-class institutions of higher learning in the state, among which DePauw, Purdue and the Polytechnic Institute at Terre Haute are world famous.

No! Greatness and power such as this are not fortuitous. Indiana expresses strongly the best American ideals, developed from American sources! In 1860 160,000 Southern-born whites were living in Indiana out of a total population of 1,350,428 in that state. The settlers of Indiana came preponderantly from Virginia, in part through Kentucky and from the Carolinas. Who can measure the tremendous influence of this Southern element upon the culture and material progress of Indiana? The South thus drained itself to the enrichment of other sections, for what took place in Indiana in early settlement from the South was duplicated in other states.

MR. DEAN AGAIN MAKES SOME BAD MISTAKES.

Indianapolis, Ind.

Editor Manufacturers Record:

I have read your article in the MANUFACTURERS RECORD of September 25 replying to my communication. I accept your figures on cotton and grain exports. I referred to the *consumption* of cotton and grain. I said, "Germany consumes more American cotton than any European country, and this *consumption* of cotton will increase when, under the Dawes plan, she will be allowed to operate to full capacity."

England is a great merchant nation. She buys to sell again. A great part of her profits are made in the carrying trade of her deep-sea shipping, running to every corner of the globe. She buys for *export* as well as for consumption. Cotton as well as other commodities are shipped from England to all parts of the world. She possesses great advantages in this business on account of her numerous colonies. You do not give figures of cotton *consumed* by the United Kingdom.

Germany buys for consumption, and not for export. She consumes all that she buys. If England exported 20 per cent of her cotton, she then consumed less American cotton than Germany. The preceding argument applies to American grain. To get at consumption you must deduct the British exports.

I think your charges of robbery against Germany for the depression of the mark and repudiation of public debts is most unfair. Germany is in much the same condition as the South was after the Civil War.

When the Civil War began, Confederate cotton bonds sold at a better price in London than United States bonds. After Grant took command of the Army of the Potomac, Confederate currency became worthless and so did Confederate bonds. Was that because the people of the South were thieves? Certainly not. Nations become hopelessly bankrupt when defeated in war. During the French Revolution assignat notes became valueless although based on the value of Government lands. Russia, Greece, Poland, Hungary and other European countries have currencies that are of little value. Has this depreciation been intentionally produced for the purpose of robbery? In the North during the Civil War gold went to a premium of 185 per cent and people used the depreciated "greenbacks" to pay their debts without the least intention of dishonesty.

Even if, for argument, we admit that Germany is now a good second in consumption of American cotton and grain, it seems to me it would not change my argument. The South cannot afford to repel and insult such a customer. The South ought to encourage and protect Germany by helping her to get onto her feet, especially when it is known that under the Dawes plan Germany's consumption of American cotton and grain will greatly increase. England hopes that in time she will produce all her cotton in her colonies. Germany has no such hope.

JOHN C. DEAN.

Again Mr. Dean is in error. England does not export its cotton, but does export to the extent of hundreds of millions of dollars annually its cotton goods. Great Britain does not import cotton for shipment to other countries except in the finished form. On the contrary, a large amount of cotton exported to Germany goes direct to other Continental countries.

During the year ending July 31, 1923, Great Britain consumed 2,019,000 bales of American cotton, France 790,000 bales and Germany 740,000 bales. The consumption in Great Britain for the last two years has been small, due to the depression in the cotton industry of Lancashire. In ordinary times the consumption of American cotton is much higher in Great Britain than it was in the crop year ending July 31, 1923. Great Britain has 56,583,000 cotton spindles, France 9,600,000, Germany 9,382,000. All of Europe outside of Great Britain has 43,664,000 spindles, so that Great Britain has nearly 13,000,000 more spindles than the rest of Europe and over six times as many as Germany.

In the same way it may be said that the importation of American grain by Great Britain is for consumption at home and not for reshipment.

The best authorities take the ground, which we think is

unquestionably correct, that Germany entered upon a definite campaign in issuing its marks to rob the world and pile up wealth thereby. C. W. Barron, editor of the Wall Street Journal, who probably knows the inside of world financial affairs as well as any living man, has taken the ground that Germany, in entering upon its campaign of selling marks throughout the world, secured in money, in raw materials and in credits at least ten billion dollars. It was also known in advance by the inner authorities of Germany that the marks would be depreciated to the point where they would be practically wiped out, and thus the world would receive nothing for the ten billion of dollars of which it had been robbed.

The relation of the Confederate bonds and currency is entirely different. Under the terms by which the states forming the Confederacy were readmitted into the Union all bonds and securities of all kinds issued by the Confederacy were repudiated by the decree of the United States, and the South itself had no other recourse than to accept the terms of readmission. At the close of the World War Germany was rolling in wealth as compared with the poverty of the South at the end of the Civil War.

Germany was not made bankrupt by the war, neither in men, materials, factories, agriculture nor wealth. It was not invaded, its factories were not destroyed, its farms were untouched; while France, on the contrary, was invaded, its farms were ruthlessly destroyed, hundreds of thousands of homes and thousands of factories were wiped out of existence, its coal mines were flooded and the machinery destroyed—all for the purpose of keeping France from ever becoming a competitor with Germany in trade.

England's hope to increase its cotton production in its colonies is at present not different at all from what it has been trying to do for seventy-five to a hundred years, and the prospects are no better now than they were three-quarters of a century ago.

WHO WILL FOLLOW THIS GOOD EXAMPLE?

LOUIS T. MOORE, secretary, Chamber of Commerce, Wilmington, N. C., in ordering six copies of "The South's Development," writes:

"We think this volume will be of incalculable value to every state throughout the South. It is our purpose to place a copy in our public library and in our schools for reference by the general public and students."

"We can conceive of no more useful way in which the community can utilize this valuable publication you contemplate issuing."

We think that every commercial organization in the South and every business concern in that section, as well as every individual who can afford to do so, could with great benefit to his community and to the South at large place a copy of "The South's Development" in local libraries and schools and thus make available information about the South which cannot be had from any other source.

INFLUENCING EUROPEAN THOUGHT.

ARTHUR KITSON of the Kitson Engineering Co., London, in the course of a letter to the MANUFACTURERS RECORD, says:

"May I take this opportunity of congratulating you on the enormous influence for good that your paper exerts? I hear of it constantly in this country among my friends, and you certainly deserve the hearty congratulations of all those who are striving to raise this world to a higher level of civilization."

Statements such as this from Mr. Kitson come to us constantly from Europe. It is needless to say that such expressions are greatly appreciated.

SOME INTERESTING TELEGRAMS.

AN interesting illustration of the value of the MANUFACTURERS RECORD in every department of its activities is given in some telegrams which recently passed between the Southern Desk Company, Mr. Friedman, our Birmingham correspondent, who writes the iron-market story from that city, and the Sloss-Sheffield Iron Company. In Mr. Friedman's market report he had quoted the price of iron. The Southern Desk Company of Hickory wired direct to him as follows:

"Referring last issue of MANUFACTURERS RECORD, we need 100 tons No. 2 foundry iron, but best quotation we have received from _____ is \$18.40. If you know of any \$17.50 or \$18 iron, please wire at our expense or have furnace do so."

Replying to that telegram, the Sloss-Sheffield Steel & Iron Co. wired to the Southern Desk Company:

"Your wire Friedman can ship 100 tons No. 2 foundry \$18 Birmingham. Would appreciate your order."

Promptly the Southern Desk Company wired to the Sloss-Sheffield Company:

"Your telegram. Ship 50 tons promptly and 50 December first"—and the deal was closed with a telegram from the Sloss-Sheffield Company to the Southern Desk Company:

"Shipping 50 tons Tuesday, balance December 1. Thanks."

In every issue of the MANUFACTURERS RECORD, in its market reports, in its Construction Department, in the news from various parts of the South, there are almost innumerable ways in which business can be created by those who follow the opportunities as closely as the Southern Desk Company did. There is scarcely a line of business in this country which is not represented in the requirements of the thousands of items of news which appear from day to day in the Daily Bulletin of the MANUFACTURERS RECORD and each week in this paper. Schools are to be built, church buildings to be erected, dwellings, large and small, are reported, as are bank buildings, hotels, apartment-houses, reclamation work, irrigation work, paving, road building and almost every other line of human activity. Thousands of business men throughout the country watch this information very carefully and utilize it to their own profit, but there are many other thousands who could follow their example with equal advantage to themselves.

APPRECIATION OF RICE STORY BY SENATOR GUEYDAN OF LOUISIANA.

[Telegram to Manufacturers Record.]

New York, N. Y., November 21.

My great appreciation of your splendidly effective contribution to the development of the American rice industry in your editorial and illustrated article in the last issue of MANUFACTURERS RECORD will pale into insignificance when the full appreciation of the whole rice industry of the South will have been manifested for your most valuable co-operation.

The President's letter on the frontispiece is an auspicious augury for the forward movement of the South's many industries. Again congratulations to you.

H. L. GUEYDAN.

TWO VIEWS OF THE SAME SUBJECT.

FROM the Hood College of Frederick, Md., the subscription department of this paper recently received a statement saying:

"I cannot see why the MANUFACTURERS RECORD should be an object of special interest to the library of a college for women or to its President."

"HOOD COLLEGE."

About the same time we received a letter from Miss J. L.

Kennedy, librarian of Baylor College for Women, Belton, Texas, in which she wrote:

"Kindly send to the Baylor College Library two copies of 'The South's Development.'

"For a number of years we have subscribed to the MANUFACTURERS RECORD and find it a most valuable magazine, and for this reason we are having it bound, as the volume will be invaluable as reference material."

Which do our readers prefer, the position taken by Hood College, Frederick, Md., or that by Baylor College for Women of Belton, Texas?

WILL THIS INVESTIGATING COMMITTEE MEASURE UP?

SELDOM, if ever, has greater opportunity for material and moral service to the United States been open to any committee of Congress than that which confronts a special Senate committee, headed by Senator Couzens of Michigan, to investigate the Treasury Department, with particular reference to the prohibition and income-tax units. The reported failure of the Government, through the Treasury, to uphold the Prohibition Amendment and the Volstead law is understood to be the main object of investigation.

Failure of this committee to obtain positive proof of the cause of this Government inefficiency, and failure to lay it openly before the people, with names and other details, will convict the committee of cowardice and moral obliquity. The reason is known in a general way to be politics. The committee should disclose the persons responsible for outrageous conditions in numerous states and lesser political units.

The Senate committee need not go far afield to find sworn officials of the United States Government who personally have played politics in the interest of anti-prohibition in both parties. In many cases, prohibition-enforcement chiefs have been appointed for various state sections on recommendation of a Senator or Senators from such states. It is a subject of common gossip—almost of common knowledge—that many such appointments have been made on strictly political grounds, without regard to the moral and efficiency qualifications of the appointees, and that many have been made in fulfilment of political promises, and even in desire to defeat enforcement of the prohibition law.

Good Americans are reluctant and hesitant to accept a belief that this committee will fail of its full duty, despite experiences of the past and knowledge of the tremendous pressure which will be exerted on its membership to "put on the soft pedal." They prefer to believe that this committee will hold higher regard for the welfare of the nation than for the "good name" of any Senator who might be discovered to have violated his oath of office and betrayed his sacred trust by bargaining with the forces of law defiance for the sake of a thousand or so of votes. They even may close their ears to convincing stories of such shameless actions, and give the suspected the benefit of the doubt till this committee may present convicting evidence.

Senator Couzens and his associates on this committee have a wonderful opportunity for good work. They should not permit "Senatorial courtesy" or any other deterrent to interfere with a searching investigation and a complete report. If they care to investigate fully, they will possibly find that the Income Tax Bureau has special blanks for bootleggers and collects large amounts from them, without giving any information to the Prohibition Bureau in the same department as to who these bootleggers are. At least such charges have been emphatically made and without bringing forth any denial. It is important that this charge should be probed to the bottom.

Planning to Bring Manufacturers and Farmers Into Closer Union.

A FORMER RUSSIAN COMMUNIST DESCRIBES CONDITIONS IN THAT COUNTRY—HOW TO IMPROVE LABOR CONDITIONS BETWEEN EMPLOYERS AND EMPLOYEES.

Annual Convention of National Founders' Association.

By RICHARD WOODS EDMONDS.

New York, November 20.

The twenty-eighth annual convention of the National Founders' Association, held November 19 and 20 at the Hotel Astor in this city, was a decided success, whether viewed from the standpoint of attendance, of interest in the proceedings, or of progress measured off by this annual milepost.

The convention opened on Wednesday morning with a prayer, followed by the singing of "America." The President, William H. Barr, then delivered an address that evidently made a deep impression upon his hearers.

Discussing the recent election, Mr. Barr said:

"Our country has recently passed through a greater political crisis than has confronted it for many years. The very foundations of our institutions were threatened. * * * There is reassurance in this election which is gratifying to every patriotic citizen, but there is also a lesson which must not be ignored. There are in our country men who are willing to tear down the structure of our Government for their own aggrandizement. There is a steadily-increasing number of citizens who will follow such leaders regardless of consequences, and if at any time unrestricted bolshevism in all its sordidness were offered for political consideration, there would be hundreds of thousands of ignorant voters who would support it at the polls."

Touching then upon the interest that had been aroused by the three-cornered campaign, Mr. Barr deplored the fact that so small a proportion of our electorate (about 53 per cent) troubled themselves to go to the polls.

The heavy decline in the voting portion of the electorate, from 80 per cent in 1896 to 49 per cent in 1920, was scarcely reversed by the unusual campaign and the extraordinary exertions of a few thousand non-partisan agencies.

"It is, therefore," said Mr. Barr, "more than ever apparent that the education of our voting population must be continued in a thorough-going fashion. * * * As citizens, we should urge all thinking citizens to utilize all good agencies to impress upon every voter that it is his or her duty to take active part at every election, whether local or national in character. Equally important is our obligation to teach the growing youth that the right of suffrage is the advance guard of life, liberty and happiness. It is only in this way that the full effect of public opinion can be marshalled to safeguard our nation against viciousness and continuous activity of those who would destroy its political integrity."

The speaker then struck a note reminiscent of one of Lincoln's famous policies when, in speaking of partisan politics versus statesmanship, and especially of the weakness of the Republican party in retaining such men as La Follette and Brookhart, he said:

"There may be compromisers who will urge the retention of these pseudo-Republicans in the party for the purpose of organizing the next Senate. If so, they should be told by President Coolidge, our one recognized leader, that expediency is not compatible with common sense; that it is better to lose the organization of the Senate and maintain the respect of millions of loyal voters."

The speaker showed a thorough appreciation of the significance and the nature of the attacks upon the Supreme Court when he said:

"Do not imagine that the attempt to subordinate the Supreme Court was finished at the last election. It will be continued vigorously, and unless the importance of the Supreme Court in the protection of public rights and liberties is stressed frequently and until our people realize its personal

value, there will always be danger of the breaking down of this great and necessary protection.

"Every citizen who realizes the true meaning of the recent political struggle should become an educational agent to impress upon his friends the necessity of preserving the Supreme Court in its fullest power. To break it down is to destroy the Constitution of the United States."

The importance of Mr. Barr's warning can scarcely be exaggerated, for we are quick to forget an issue once its crisis appears to have passed.

In forceful terms Mr. Barr warned against the evils of government ownership, and urged the supreme importance of public education to guard against a further spread of sentiment favorable to it.

"How is it," he asked, "that many of those who should desire to protect their own property and their personal liberty are so little concerned with ultimate results as to refuse funds for necessary educational purposes? On the other hand, those who would subvert our Government are never at a loss for funds and certainly not all of it comes through underground channels from Soviet Russia. How much of it comes from some of our hair-brained citizens, men and women who, having wealth, seek a new and thrilling toy in revolution?"

Discussing then the struggle between the open-shop and the closed-shop forces, Mr. Barr came to what, it is believed, will develop into the association's most important and most far-reaching activity of the year; a plan for bringing about a closer understanding and co-operation between the manufacturers and that large class of individual capitalists, the farmers. As yet no more detailed plan has been promulgated than for an interchange of speakers at various conventions, and consultations between farm and industrial leaders over the peculiar problems of the two interests. But the extent to which co-operation may be carried between industry and agriculture has been vividly illustrated on a small scale by the success of the little south Georgia town of Ashburn, in bringing prosperity out of poverty for both farmers and townsmen, through a realization by Ashburn business men of their dependence upon farmers and a thoroughgoing co-operation between them. This accomplishment was described on page 93 of the MANUFACTURERS RECORD for November 6, 1924, and illustrates the tremendous possibilities dormant in the new campaign of so strong a national association as that of the National Founders' Association. Every man who is interested in co-operation between agriculture and industry should read that article.

The National Founders' Association explains the movement and its aims as follows:

"Legitimate co-operation between industry and agriculture, in matters directly affecting the welfare of both, is the purpose of a movement inaugurated recently by a number of prominent manufacturers and farm leaders.

"The vital necessity of such co-operation requires no emphasis. Both industry and agriculture are subject to the menace of an increasing activity by demagogic politicians and equally demagogic unionism. The rights of property, the opportunity for individual initiative, and freedom of industrial and agricultural development are threatened; that some concerted and practical effort should be made to combat the growing danger is obvious. * * *

"It is well to understand that the movement is based entirely on CONFIDENCE. It unfortunately is true that in

the past an atmosphere of suspicion has clouded the viewpoint both of industry and agriculture in their relations with one another. The business men in the city committed the regrettable error, based generally on lack of knowledge, of considering the farmer a man apart from industry; and the farmer regarded the city business man as one having ulterior motives in all his dealings. It was this dual attitude which prevented successful effort to pool their activities even in the many instances where both were equally concerned."

The present plans are solely for an educational campaign, as will be seen from the further exposition of the program. But that this educational campaign of and for farmers and manufacturers will have far-reaching consequences along the lines described in the article about Ashburn already referred to, can scarcely be doubted.

"The present movement is in no sense an attempt to organize a great combination, but simply to bring about a better understanding. This will be done through conferences between industrial and agricultural leaders. There will be no attempt to function through existing organizations as such; the fundamental basis will be the *individual*. The farmer as a farmer, and the manufacturer as a manufacturer."

The first conference under this plan was held at the 58th annual convention of the National Grange at Atlantic City, beginning November 12, 1924. The second conference was a part of the twenty-eighth annual convention of the National Founders' Association. A committee on organization has been appointed, having as its members representing industry, the following:

W. W. Coleman, president Bucyrus Co., South Milwaukee, and recently president National Metal Trades' Association; Henry D. Sharpe, president Brown & Sharpe, Providence; William H. Barr, president National Founders' Association; Justus H. Schwacke, president William Sellers & Co., Philadelphia, and J. D. Cox, Jr., president Cleveland Twist Drill Co. The members representing agriculture were: William J. Thompson of Maine, chairman of the executive committee of the National Grange; Sherman J. Lowell, former master of the National Grange; Prof. T. C. Atkeson, Washington representative of the National Grange; O. L. Martin, master of the Vermont State Grange, and C. A. Dyer, overseer of the Ohio State Farm Bureau Federation. William J. Thompson is chairman of the committee on organization, William H. Barr is treasurer, and Henry Harrison Lewis, executive director.

Seeking to Make the Citizen the Property of the State.

James A. Emery, Counsel for the National Manufacturers' Association, delivered an address on "Coming Shadows." Touching upon the proposed Child Labor Amendment, Mr. Emery said it is not a mere amendment that is proposed, but a revolutionary change in our form of Government, for it declares the fathers and mothers of the country both unwilling and incapable to discharge the duty of rearing their children and puts a Federal officer in their places, thereby substituting for our theory that the state is the creature of the citizen, the communistic theory that the citizen is the property of the state. For the proposal not only would give to Congress the authority to forbid all children and youths under eighteen years of age to do any sort of work, but it would put upon Congress of necessity the duty to regulate the conditions that must be met before a child may go to work, even to determining what degree and what kind of an education a youth must have received.

Mr. Emery pointed out that the proponents of the bill never use the same arguments in different states, but fit their arguments to suit their auditors. Thus in the great industrial states they claim that no change will be made there, but that the bill is necessary to equalize competition with manufacturers in more backward states, while in agricultural states they claim that the bill will not affect the farmers, but is necessary to prevent the great manufacturers in the industrial states from exploiting little children. He then described some of the propaganda the Child Labor Bureau is sending out, including a map of the United States, in which states that

are backward in child labor legislation are shown in black. On this map Massachusetts, notably the leader of the states in child legislation, is shown in black because it has no minimum age limit for children employed in mines. It does not explain that Massachusetts has no mines.

The proponents of the measure declare that Congress will never exercise certain of the powers asked for in the bill. We thereby have established a novel principle of legislation—a Congress desires powers it will never use.

A Former Russian Communist Tells of the Economic Situation in Russia.

Following Mr. Emery came Jacob Rubin, a life-long communist, native of Russia and citizen, since his twelfth year, of Milwaukee, Wis.

At the outbreak of the Russian Revolution, Mr. Rubin told the convention, he had gone to Russia to help establish the communist form of government there, and also to gather material for a book that would reveal to the world the glories and beauties of communism. He was cordially received by the Soviet Government, was made Assistant Commissar of Propaganda, and given every possible opportunity to study the conditions in Russia at first hand. To illustrate the conditions that prevailed in industry under Soviet ownership and operation, he told of one shoe factory he visited many times, that had formerly had a monthly output of over 7000 pairs of shoes. At the time he was there the output, with a full labor force, was only 250 pairs per month. The workmen drifted in at any hour of the morning, and instead of going right to work, sat down and had a samovar of tea. Then they entered into discussions of politics, etc., which continued for most of the day. At five o'clock a fiery speaker came to address them on some phase of communism, and then they went home. One day he asked the superintendent why it was none of the men were required to work, and why they were content with so small an output of shoes. The superintendent replied that it was the policy of the Soviet to provide jobs for all the people. Whether they worked or not was another matter, with which nobody concerned themselves.

Mr. Rubin said he had always considered Karl Marx the greatest social philosopher that had ever lived, and his *DAS KAPITAL* the world's masterpiece of economics, but after thirteen months' residence in Russia as an officer of the Soviet he had come to the conclusion that Marx had made one mistake—in devising a social system he had forgotten to take into account the human animal for which the system was devised. And in removing all incentive to work from the workers and destroying personal ambition the Soviet Government, following the teaching of Marx, had destroyed the industry of Russia. Eager as he had been to leave this country for Russia, he had been far more eager to return here from Russia; and he added that if he knew of a better place on this earth to live than the United States of America, he would pack his trunk at once and go there. And if he knew of a better system than the capitalist system, he would be advocating it just as energetically as he had formerly advocated communism.

The Russians, he added, had for several years greedily received, with one hand, all the bountiful food supplies we had sent them, while with the other they had been unceasingly busy in sending us communistic propaganda.

If, by our recognition of Russia we would benefit Russia, Mr. Rubin said that he would be the first to urge that we recognize Russia, for after all he was a Russian, in spite of his American citizenship and his fondness for a good place to live, and he had Russian interests very much at heart. But as long as the Soviet Government refuses to recognize the right to private property and the sanctity of a contract, he felt in the long run we would do Russia more good by

withholding recognition until the Soviet Government collapses and a sound government is set up in its place.

The proletariat of Russia, said Mr. Rubin, is far more oppressed and exploited under the present Government than it ever was under the old regime.

How to Develop Better Relations Between Employers and Employees.

The interest felt by the founders in arriving at a better understanding with their employees was illustrated by their interest in the address of Mr. J. M. Larkin, Assistant to the President of the Bethlehem Steel Company, the man who is said to have solved that company's labor problems.

"I didn't solve their problems," Mr. Larkin said. "Much had been done when I took hold. Much still remains to be done. I doubt that it will ever be solved."

Nevertheless, Mr. Larkin told of much that had been done in the Bethlehem plants toward securing more harmonious relations between employees and management.

Among the things that labor wants and is entitled to have, Mr. Larkin listed adequate recompense, advancement strictly according to merit, a steady job, and provision for old age that will take account of long, faithful service.

Adequate recompense is not to be had by rating all men in the same work at the same scale per week or per hour. Consequently the Bethlehem Steel Company uses a system of payment, inaugurated by Mr. Schwab, for quality and quantity of individual production wherever possible.

A steady job means that forces must not be cut down during business depressions. It may be necessary at times to lay off some men, but the object to be striven for is the reduction of this lay-off to the minimum and its final elimination by spreading work out over the periods of depression, or by part time employment, if need be. While this will undoubtedly work hardships on the companies at times, it is only fair that hardships be divided with the men. Furthermore, a force thus kept over a depression will be a great asset for getting quickly under way again when business revives.

The Bethlehem Company has recently put into effect an old age pension system by which men may be retired after reaching an age of disability, with a pension that will equal one per cent of the average salary for the last ten years, multiplied by the number of years of service.

Mr. A. L. Hartley, Supervisor of Trade and Industrial Education for the State of Nebraska, talked on "Apprenticeship in the Foundry."

Mr. Hartley pointed out that heretofore our foundries had recruited their labor from immigrants to such a great extent that today foundry labor of the country is 80 per cent foreign. But with the adoption of a national policy of immigration restriction we will have to depend chiefly on domestic supplies of labor. That means, he said, that the foundries will have to train men. They will have to establish carefully thought out courses of instruction—training schools, if you please—where youths can be taken in and trained scientifically in the intricacies of foundry practice.

Furthermore, he said, we will have to establish methods of research to fit the man to his job. Twenty years hence it will seem as absurd to attempt by looking at a man to tell what kind of job he is good for as today it would seem to break a piece of pig iron and attempt to guess its chemical analysis.

His words did not apply to foundries alone, but with equal force to many other industries.

The convention closed with the election of officers for the coming year. Mr. William H. Barr was reelected to the presidency. Mr. F. B. McBrier, chairman of the Erie Steam Shovel Co., was chosen vice-president. The other officers were reelected.

Bids Invited for \$1,000,000 Grain Elevator at Houston—Equipment Contracts Awarded.

Houston, Tex.—Bids will be received until December 4 by the city of Houston, B. C. Allin, director of the port, for the erection of the \$1,000,000 grain elevator to be erected here. The following contractors have secured plans and specifications with a view to submitting bids: Don Hall, Houston; A. M. Crain Co., McDonald Engineering Co. and Folwell Ahlskog, all of Chicago; Fegles Construction Co., Minneapolis; M. A. Long Co., Baltimore, and Southwestern Engineering Co., Springfield, Mo.

Contracts have been awarded the following for equipment: Huntley Manufacturing Co., Silver Creek, N. Y., cleaning machines; Link Belt Co., Chicago, chain drives; Goodyear Rubber Co., New York, rubber belting, and Fairbanks Co., New York, hopper scales, and Webster Manufacturing Co., machinery, spouting, castings, etc. Contracts for motors and starters has not been awarded.

The first unit of the elevator will have a capacity of 1,000,000 bushels, so designed and constructed that it may be expanded to a capacity of 6,000,000 bushels. The J. S. Metcalf Co. of Chicago is the engineer.

Power Company Plans \$4,500,000 of New Securities—Is Developing \$7,800,000 Project.

Columbus, Ga.—A petition has been filed with the Georgia Public Service Commission by the Columbus Electric & Power Co. of this city for authority to issue new securities with which to prosecute its development of power projects now under way and to be undertaken. The company requests authority to issue \$2,000,000 of bonds and \$2,000,000 of three-year notes, to be followed later by the issuance of \$500,000 of preferred stock. It estimates that its capital expenditures will aggregate \$4,230,000 by the early part of 1925.

A development has been started at Bartlett's Ferry, construction being in progress on a dam and power station for the installation of two 15,000-kilowatt turbine generators, with necessary auxiliaries. It is also planned to build a high-tension transmission line to Macon, the entire development to cost more than \$7,800,000.

R. M. Harding is vice-president and manager of the Columbus Electric & Power Co.

Developing 80 Acres at Bradenton.

Bradenton, Fla.—Underhill-Young & Wells have begun the development of 80 acres of land within the city limits, 40 acres of this property, to be the chief subdivision, known as Seminole Park. Approximately \$50,000 will be expended for improvements in this division to make it a high-class residential property. It is set in orange and grapefruit already in bearing. Other holdings of the company and property to be acquired will be developed later.

Stockholders Ratify Alabama Company Sale.

Stockholders of the Alabama Company formally approved the sale of its physical properties to the Sloss-Sheffield Steel and Iron Company, Birmingham, at a meeting held in Baltimore last week, at which about 85 per cent of the total stock outstanding was represented. They also voted to liquidate the Alabama Company.

Details of the sale were published in the MANUFACTURERS RECORD of October 16.

M. M. Hovis, Marietta, S. C., has been awarded contract by R. F. Lenhardt, owner, for the construction of a new dam near Cateechee for use of the power plant supplying Liberty, Central and other South Carolina towns.

GEORGIA'S CERAMICS BUILDING DEDICATED.

New Department at Georgia Tech to Be Big Factor in Development of Clay and Other Resources of the State.

Atlanta, Ga., November 15—[Special.]—More than fifty leading ceramics engineers and business men of the South interested in the ceramic industry attended the dedication of the Ceramics' Building at the Georgia School of Technology today, went on a tour of inspection of the building, and were the guests of President M. L. Brittain at a luncheon given in their honor.

The address of Dr. A. S. Watts, head of the ceramics department of Ohio State University on "The Ceramic Resources of Georgia" was a feature of the occasion.

"Georgia," said Dr. Watts, in part, "contains, probably, more ceramic resources than any other state in the South, and is one of the leading states in the Union in its ceramic possibilities.

"Among the products which could be utilized in the ceramics industry are vast beds of clays, kaolins, bauxites, feldspars, sands, cement rock and fuller's earth.

"At present these deposits have scarcely been touched upon.

"There are several reasons for this. First, Georgia has not had trained men capable of going out into the field and locating and developing these resources. Second, the state has had no place where research could be carried on to develop new uses for these clays. Third, it has been impossible, without leadership, to interest capital and business in their development along practical lines.

"As a result, very few deposits have been developed at all, and in most instances the deposits that are being worked are worked the wrong way. The clay is dug out, shipped to Northern cities, and made into products worth many times what Georgians receive for it. A car of clay worth several hundred dollars is made into products worth many thousands of dollars, and these products are shipped back into the state and sold to the very people who own the clay deposits.

"The opening of this ceramics building, however, marks a change in the entire situation, not only in Georgia, but throughout the South. It provides an adequate laboratory where research work can be carried on, where Georgia can learn the true value of its ceramic deposits and develop new uses to enhance their value. It trains men for leadership in this important industry. With this leadership, capital can be interested. And with capital interested, plants will be built on the grounds of the deposits, which will mean a saving, not only in freight to and from the Northern plants, but a saving all along the line. Georgia will thus reap the benefit of its own natural resources.

"More capital will be invested on Georgia soil, and, quite literally, in Georgia soil. More people will be attracted to the state to work in these factories. The profit that lies between a carload of clay worth \$250 and a carload of finished products worth \$2500 will come home to Georgia.

"This may be the smallest laboratory on the campus of the Georgia School of Technology, but it marks the future development of the state's largest natural resource and will mean the saving and earning of millions of dollars in future years."

The ceramics laboratory is well built and well equipped. It is 50 by 83 feet, and a story and a half in height. As one enters the main doorway, there is an office to the right and a library to the left—the library already well stocked with books and periodicals on the ceramics industry. Beyond the library is a large kiln room, with two experimental gas-fired kilns, using induced draft, the last word in ceramic kilns. Here are also a pot furnace, a small muffle test furnace, a

gas-fired dryer, potentiometers and a recording pyrometer. To the right of the laboratory is a large classroom.

The clay machinery room, in the basement, is equipped with every latest device for making clay products. These include an emery wheel, a jaw crusher, a pulverizer, a rolling machine, an auger, a turning lathe, a potter's wheel, a jigger and a complete semi-commercial clay washer.

In the testing room, which is also in the basement, are balances, ball mills, molds, an electric dryer, an electric oxidation furnace, a modulus of a rupture testing machine and complete microscopic equipment. Every foot of the building's five hundred odd square feet of floor space is filled with useful machinery, and it promises to be surprisingly efficient.

The completion of this building will enable students to combine the theoretical with the practical aspects of ceramic engineering, and will provide for a research laboratory where many problems peculiar to the industry in the South can be solved. The courses of instruction, as arranged by Dr. A. V. Henry, in charge of the work at the Georgia School of Technology, will cover a period of four years and lead to the degree of Bachelor of Science in Ceramic Engineering. They will give a graduate of the department the basic knowledge that will enable him to prospect for raw materials, pass upon their availability, and carry them through the process of manufacture to the finished product.

In addition to the work in the laboratory, field inspection and prospecting trips will be made each year by the junior and senior classes to give them practical experience in the work.

The ceramics department at the Georgia School of Technology is the first school of its kind to be established in the South, and is one of the best equipped schools of its kind in the United States. It is destined to have a lasting influence upon the development of the ceramics industry.

Telling Publicity.

[From Pine Bluff (Ark.) Graphic.]

The MANUFACTURERS RECORD, which recently carried at great length a most comprehensive article on Remmel Dam and the hydro-electric development in Arkansas, soon will give Pine Bluff more valuable publicity.

This time the new cotton mill is to be treated in this national publication. William Nichol, president of the Arkansas Textile Company, yesterday wired the magazine the facts about the plant, its establishment and its plan of operation. More detailed information is to be given the magazine by mail.

The MANUFACTURERS RECORD has one of the largest circulations of any trade paper in the country. It is one of those magazines which are unerringly accurate and which are considered authorities.

Publication of an article in this magazine guarantees that it will be read by an immense number of people, and people whom the growing city wishes to reach.

All of which is merely preliminary to again emphasizing the value of publicity to this city or to any other progressive city. Publicity of the right sort, it must be remembered, must be a splendid basis of fact or it will fail. The old days when publicity could be obtained by simulating the truth are past. Now, especially in agencies of the type of the MANUFACTURERS RECORD, a city must have the facts before it gets the advertising. We need a big publicity fund in Pine Bluff to assist the Chamber of Commerce. We need to spend the fund wisely. We do not want to spend money for publicity when we have nothing in particular to advertise. When we do have something we ought to let the world know about it. Remmel Dam and the new cotton mill are examples.

Let's raise a publicity fund when we consider the next budget for the Chamber of Commerce. Let's conserve it when we have nothing in particular to further, and let's spend it generously when we have.

The Oak City Guano Co., Bartow, Fla., has completed its new fertilizer-mixing plant here and has started operations on a ten-hour schedule, producing 50 tons of mixed fertilizer per day.

Strongly Impressed by the South.

A few weeks ago a number of prominent business men of New England at the invitation of the Virginia Chamber of Commerce made a trip through Virginia to study its resources and to see how business operations between Virginia and New England could be increased to the advantage of both sections.

About the same time the American Institute of Mining and Metallurgical Engineers held its annual meeting in Birmingham, making the trip from the North to the South by special train down the Valley of Virginia, stopping at Knoxville, Chattanooga and elsewhere on the way to Birmingham. Visits of this kind from people of the North and West to the South are to be encouraged and the impression which the South makes upon them is always interesting.

Since these two events the MANUFACTURERS RECORD has received a number of letters from the New England men who went to Virginia and from Northern and Western engineers who went to Birmingham. These letters indicate how strong a hold the South gets upon all intelligent men who visit it to make a careful study of the business conditions. The letters from the New England people are especially interesting in emphasizing the fact that they found New England people and Virginia people are very much alike, and it might be said that the Virginia people were as much pleased with the New England people as the latter were with the Virginians.

For many years the MANUFACTURERS RECORD has sought to encourage visits of this kind between the people of the East and West and the people of the South. Eastern and Western men need to visit the South and study it for themselves, and not to depend upon the views of their salesmen or local managers or on any other information. They should come in direct touch with the Southern people and see what they are doing, for that often means more in the creating of friendship and the development of business to the advantage of both sections than anything else that can be done.

It is equally important that the business people of the South should visit the East and West and see what some of these regions, even those lacking natural advantages, have accomplished. With such visits carried out regularly there will be a complete breaking down of the last vestige of criticism between one section of the country and the other and a cementing of acquaintanceship into stronger friendship, and a development of business which will prove as profitable to the West and to the East as to the South.

The letters which have been received are as follows:

New England Tremendously Impressed by Virginia Resources and Virginia People.

Boston, November 12.

Editor Manufacturers Record:

After the recent experience enjoyed by a group of New England pilgrims to Virginia, it is difficult even for the inarticulate Northerner not to indulge in superlatives to an extent which might lead his audience to suspect some element of insincerity. As a matter of fact, however, it is difficult to overstate the profound impression made upon us by what we saw and felt upon our recent trip.

We knew of a Virginia rich in historical interest and renowned for its hospitality. We knew of it as a state large in area and rich in natural resources. But it took a first-hand view to impress us with the extent to which the people of Virginia had addressed themselves to the task of making their Commonwealth a great industrial beehive—an important contributing factor to the world commerce of today. No breezy boasts from the wild and wooly West could be more stimulating than the enthusiastic, but accurate, appraisal

which optimistic Virginians have made of their natural assets, or more impressive than the enterprising manner in which they are undertaking to increase the productivity of their soil and people.

We came also to a keener realization that between Virginia and New England lies a great God-given waterway, over which, between admirably equipped ports in both districts, might well be borne an ever-increasing mass of commerce at rates which ought to be lower than they are today by reason of the intrinsic economies of water transportation. Developments in the transportation rate structure have moved Virginia and New England away from one another. A wise use of the avenues which nature has placed forever at our doors ought to bring the two localities nearer to one another than ever before, affording Virginia additional markets for the surplus of good things which she can bring forth from mountain, field and valley, which in time should become for New England a cheaper supply of those things which she needs but fails to find within her borders.

Virginia's greatest assets are her men, and in our opportunity to know some of them better came the greatest satisfaction of our visit and the profoundest pride in our common nation and our common citizenry. The New England pilgrims hope to transmute this brief, but extremely enjoyable, experience into a persisting spirit of good will, and into a lasting co-operative endeavor to bring about trade conditions between these two great Atlantic sections which will be of mutual advantage and of permanent value.

CLIFFORD S. ANDERSON,
President, Associated Industries of Massachusetts.

In All the Fundamentals of Life, New England and Virginia Are in General Accord and Agreement.

Boston, November 4.

Editor Manufacturers Record:

The invitation of the State Chamber of Commerce of Virginia to various commercial and industrial organizations in New England to be its guests in Virginia for a week was a most happy inspiration. The 20 New England guests realized as they never did before the great natural resources of Virginia. But, beyond all that, they came to a realization of the similarity in fundamental views of the people of the two sections.

Virginia is essentially conservative. This does not mean that it is not also progressive. Progress is the essential law of life, and perhaps the sentiment in Virginia may be best expressed as progressively conservative. We seem to think alike on the fundamental problems of life and government. Virginia and New England both believe that the fundamental principles of the Constitution should continue to be the guides in political life and that frequent amendment of the Constitution is harmful. We found a similarity of sentiment on the question of the necessity of defeating the proposed Twentieth Amendment (Child Labor Amendment). It may have been a matter of some surprise to our hosts that we of New England were found to be strenuous advocates of a restriction of the powers of the Federal Government, but enlightened sentiment in New England appreciates the dangers of centralization.

We knew the traditions of Virginia hospitality, but never did we realize so fully the warmth of the heart of Virginians as expressed not merely in generous and wonderful entertainment, but in the personal contact each with the other.

The state of Virginia has a wonderful power for the establishment of common relations in its State Chamber of Commerce. It is officered by earnest, far-seeing men, who have a vision of the essential unity between Virginia and other Southern states and New England. To all members of that organization we extend our heartiest thanks, as well as to the numerous local organizations which did so much to add to our pleasure.

I have not dealt upon the material advantages which are bound to result from this visit. They undoubtedly will be great. I want to emphasize the more important results which will follow from a better understanding of each other, which brings with it the firm conviction that in all the fundamentals of life New England and Virginia are in general accord and agreement.

EDGAR J. RICH.

**The Memory of Virginia's Hospitality Will Abide
With New Englanders for Years to Come.**

Grinnell Company.

Providence, R. I., November 12.

Editor Manufacturers Record:

I have been asked by the editor of the MANUFACTURERS RECORD to give an expression of my impressions covering my short stay in Virginia as a member of the New England delegation and as one of the commissioners on Foreign and Domestic Commerce from the state of Rhode Island.

Previous to going to Norfolk and Newport News I had visited Greenville, S. C., and Charlotte, N. C., and intermediate points. During this trip I was impressed everywhere with the progressiveness of the various towns and cities and the co-operative effort which was apparent to put the various communities on the map. As an illustration of this, I learned that the business men of Charlotte had financed the building of an automobile track a mile and a quarter in circumference, nine miles out of the city, at a cost of approximately \$200,000. This surprised me, as I could not imagine a New England city comparable in size and population with Charlotte either financing or supporting such a project.

This same spirit I found manifest throughout the various places which our delegation visited in Virginia. The gigantic project known as the Newport News Shipbuilding Company, the storage warehouses full of tobacco and the diversified manufacturing interests at Richmond prove conclusively that the South, and Virginia in particular, is awaking to its natural advantages, and the invitation to the New England delegation shows that Virginia is trying to obtain missionaries to broadcast its story, not only of its advantages but to the advantage of those who may be inclined to join them in mercantile or manufacturing development.

During the meetings and entertainment tendered us by our Virginia friends there were several references by them to New England conservatism. Having lived in New England all of my life, I wish to take issue with this statement, as it has been my experience that not a small percentage of the so-called New England conservatism is "mossbackism" and lack of action and initiative. I assume that many of my New England friends will take exception to this statement, but I feel that confession is good for the soul and that facts are stubborn things.

In conclusion, let it be stated that the time-honored hospitality of Virginia still lives and the New England delegation were the recipients of such hospitality that the memory will abide with them for years to come.

W. M. TRAFTON.

Greatly Impressed by His Visit to Tennessee and Alabama.

Rosiclare, Ill., October 27.

Editor Manufacturers Record:

While I live in southern Illinois, far enough South to feel the Southern influence, it is not the sort of influence that I perceived as making Tennessee what it is today.

In the last few years I have made several trips across Tennessee and wish to say my opinion of Tennessee is that it is one of the most progressive of the Southern States. If I were seeking a new location for a place to live, I would consider very carefully Chattanooga or Knoxville, as I regard them as particularly attractive places, and the spirit of progressiveness is prevalent everywhere. Birmingham impresses me as being a natural manufacturing center, and they are particularly well supplied with raw materials.

If the developments within the next 30 years compare with those of the last 30 years, this section of the South will be one of the finest spots of the continent.

I can only conclude by saying that I thoroughly enjoyed my trip and hope that I can go again.

E. C. REEDER.

Believes the Birmingham District Is Entering on an Even Greater Activity and Prosperity.

The Dorr Company.

Wilkes-Barre, Pa., November 8.

Editor Manufacturers Record:

I was very favorably impressed with the mining and metallurgical industries which we visited in West Virginia, Tennessee and Alabama during the 130th meeting of the

American Institute of Mining and Metallurgical Engineers. I found it very interesting to contrast the conditions which I found with those I encountered some 20 years ago, and the great progress which had been made in mining, manufacturing, power development and the general building up of cities and railway facilities could not but impress me.

I was particularly interested in studying the systems which have been developed for washing coal and the investigation which had been made looking toward improving the grade of the iron ore charged to the furnaces. The progress which has been made in coal washing and the investigation into the beneficiation of the iron ore leads me to believe the Birmingham district is entering on era of even greater activity and prosperity.

JOHN GRIFFEN,

Manager, Anthracite Territory.

A Big Change Brought About in the Last Twenty Years.

The Shenango Furnace Company

Pittsburgh, Pa., October 27.

Editor Manufacturers Record:

As I was formerly in charge of some furnace operations in the Birmingham district, I was especially glad to go over these operations again after an absence of nearly 17 years. These plants today show that the manufacturers in the Birmingham district, especially the Tennessee Company, have spent large sums of money and their furnaces and steel plants are as up to date and efficiently operated as any units in the Pittsburgh, Cleveland or Chicago districts. There is a ready market for rails, plates, shapes and wire products already developed, and it would seem that before long they could also manufacture sheet steel, pipe and other products to supply the demands of the Southeastern section of the country, as well as export by way of the Warrior River through Mobile.

It was also quite enlightening to see the tonnage of merchant iron that is now consumed in the district, leaving a small percentage to ship into other markets. This is a big change, brought about in the last few years.

GEO. L. COLLARD, Vice-President.

"The Birmingham District the Most Rapidly Growing Iron and Steel Center in the Country."

American Institute of Mining and Metallurgical Engineers.

Washington, D. C., November 4.

Editor Manufacturers Record:

The trip as a whole was most enjoyable and interesting and was prolonged by me two weeks beyond the regular schedule. Perhaps my reaction to the evidences of mineral wealth and growing prosperity in the South may not register as great a measure of surprise as that of the engineers from the East and North who were visiting the southern Appalachian region for the first time, because I have been examining mineral deposits in the Southern states at frequent intervals during the last 24 years and naturally have some degree of familiarity with a large number of them, including the principal deposits of barytes, bauxite, cement materials, coal, fluorspar, granite, iron ore, limestone, lead and zinc, manganese, mineral paints and structural materials in general, and there are many others with which I am not acquainted.

Many of the mineral deposits of the South are of such character as to require large-scale mining and milling operations in order to insure success, but a warning may not be out of place here against the danger of self-deception on the part of property owners, for there are also broadcast in the land deposits that are too small or otherwise unsuitable for commercial exploitation, and a thorough exploration is the only means for safeguarding against unwise investment or development.

In the 24-year period of my acquaintance with Southern mineral industries wonderful progress has been made in the discovery and production of raw materials, and in late years the still more important feature of utilizing these raw materials in local manufacturing has begun to receive recognition. The South is justly credited with the possession of great mineral wealth, and in the Birmingham district possesses the most rapidly growing iron and steel center in the country.

E. F. BURCHARD, Geologist.

Came Away With an Entirely Different Impression of the South.

Keystone Steel & Wire Company.

Peoria, Ill., October 28.

Editor Manufacturers Record:

The writer and the other members of his party were very much impressed with the splendid development evidenced in the Birmingham district. The almost inexhaustible supply of raw materials for iron and steel making, together with the electrical power developments, cannot help but make this district one of the leading iron and steel producers of the future.

We very much appreciated the splendid way in which the Birmingham members of the Mining and Metallurgical Engineers had arranged for the comfort and entertainment of the visitors, and the writer came away with an entirely different impression of the South and the Birmingham district.

D. P. SOMMER,

Assistant to General Superintendent.

More Strides in Furnace Practice in Birmingham District Than Elsewhere.

Robesonia Iron Company.

Philadelphia, Pa., October 31.

Editor Manufacturers Record:

I am very glad indeed to give you a few of my impressions gathered on my recent trip through the South with the American Institute of Mining and Metallurgical Engineers. You will appreciate at the outset that, on a trip where the time was limited and there was so much to see, such impressions may properly be regarded as somewhat superficial. However, having traveled in the South quite frequently, and further having lived in Birmingham from 1907 to 1912, I think I am somewhat in a position to express myself quite freely as far as that particular district goes.

I was living in Birmingham at the time the Steel Corporation took over the Tennessee Company and was there sufficient time afterward to see the start of the improvement program which has since been carried out. It would be impossible, without going into the subject very deeply, to outline all the various changes that have been made, but the developments and improvements are simply marvelous. As one interested in the manufacture of iron, I think I can truthfully say that there have been more strides in blast-furnace practice in the Birmingham district than in any other I am aware of. The immense tonnages of iron produced by the individual furnaces daily, considering the low yield of iron in the local ores, is quite remarkable. One of the main factors contributing to this is the use of by-product coke from washed coal.

The careful selection of the Red Mountain ores by grouping the mines is another improvement over the days when I was down there. In my day only about 20 per cent of the iron stayed in the South, whereas to-day at least 80 per cent of it is consumed locally through the building of many water and soil pipe foundries. This condition has given the Birmingham district an enviable position in the last few years as far as the pig iron industry goes. The class of consumers of Birmingham iron are those engaged in materials for building and city development; and as the building program around the country does not seem to be satisfied as yet, it would seem that the Birmingham district has still far to go as far as its merchant iron industry is affected.

The car-building plant at Fairfield was one of the most interesting things I saw. The manner in which the building of cars is carried on from the beginning caused me to remark to Mr. Crawford, president of the Tennessee Company, after we had gone through the plant, that it reminded me very much of my trip some years ago through the Ford factory.

Deviating from the manufacturing plants, I might say that I had occasion to get very good impressions from motor rides at Knoxville, Chattanooga, Birmingham and Atlanta. The growth in all directions in these cities is remarkable, not only in the business sections but in the residential districts. I think, perhaps, that Atlanta showed more of a growth to me than the other cities I have mentioned.

The highways also are greatly improved and new ones have been built everywhere, so that the old, traditional Southern mud road seems to be a thing of the past. Labor conditions everywhere we stopped were apparently of the very best, and the housing conditions at the various mining

camps showed that employers now recognize that comfortable and attractive homes tend to gather the best type of workmen.

I suppose I could go on at great length mentioning other things, such as the improvement in the railroads, noticeably that of the Southern, whose double-track line between Atlanta and Washington is remarkably well operated. There is no doubt in my mind that the South has more than arrived, if this be the proper expression to use for a district which has still a wonderful future ahead of it. I am an optimist as far as the South is concerned. Possibly the fact that I was born there has something to do with it. I am sorry that you could not have been with us on the trip, but am quite sure that you have many times covered the territory we traversed.

RICHARD PETERS, JR.

Increasing Cotton Acreage in High Plains Section of West Texas.

Tahoka, Texas, November 14—[Special.]—Thousands of acres were planted in cotton this year in eastern New Mexico, and the staple now being picked has to be hauled twenty miles to the nearest gin and the bales another thirty miles to the railroad shipping point at Tahoka. This 50-mile haul is working hardships upon the grower, and they are clamoring for a railroad outlet for cotton and other farm products. Large areas of the higher plains region in Texas also were devoted to cotton this season and farmers have to haul their bales long distances to market. Preparations are being made to greatly increase the cotton acreage all over the South Plains next year.

It is estimated that approximately one-third of this season's cotton is now out of the fields in this territory. There is no shortage of pickers and the work of gathering the crop before severe cold weather is being rushed. In this county alone, which had only a little more than two hundred inhabitants ten years ago, more than 40,000 bales will be ginned this season. The yield per acre is averaging one-half to two-thirds of a bale. In many instances as much as one-half bale per acre was produced on sod land. The returns from the first crop is in many cases proving sufficient to pay the full purchase price of the land, according to statements of new settlers.

In the Amarillo territory, 175 miles north, cotton picking did not start until November 1. The staple was grown on a limited scale there this year, but if the production comes up to present expectations the cotton-growing area in the Panhandle region will be greatly increased next year. Early frosts had the effect of causing the bolls to open rapidly, and no great damage was done the crop in any part of northwestern Texas according to reports.

Preparations are being made for the erection of many new gins and several new cotton compresses in the South Plains and Panhandle in time for handling next year's crop.

Corporation Organized With Capital Stock of \$1,000,000 to Promote Negro Enterprises.

Durham, N. C.—At a recent meeting in this city of negro business men and women from various sections of the country an organization was launched to promote and protect negro commercial and industrial enterprises. The new organization will be known as the National Negro Finance Corporation and will be capitalized at \$1,000,000.

Its principal office will be at Durham, this city having been selected, it is said, largely because negroes of the country place much confidence in local men who have built up large industries here. Officers of the corporation include Dr. R. R. Moton of Tuskegee Institute, Tuskegee, Ala., president; C. C. Spaulding, chairman of the executive board, and W. Gomez, secretary-manager.

Shall Virginia Lead the Democratic Party Back to Sanity?

[The following letter from the *Richmond Times-Dispatch* tells so much truth, in such an interesting way, that it will well repay a careful reading as some of the reasons why the Democratic party got such a fearful licking in the recent election. A study of these truths may perhaps do that party good by helping to redeem it from some of the errors which have proved so disastrous to a once great party led by great men. Two strong parties are needed, each to hold the other in check at times, but for some years rankly incompetent radicals in the Democratic party put themselves in an unholy alliance with radical elements of some radically cursed Western states and thus dug the grave for Davis as a Presidential possibility. The supposedly conservative Anglo-Saxon South pulled the chestnuts out of the fire for the monkey politicians of other sections and got everlastingly burned in the job. The writer of the following letter, A. B. Williams, is an old-time Virginia editor whose work for the Democratic party entitles him to the right which Henry Watterson claimed when, once denouncing some tariff blunders of his party, he said:

"Things have come to a hell of a pass
When a man can't wallop his own jackass."

—Editor Manufacturers Record.]

By A. B. WILLIAMS, in *Richmond Times Dispatch*.

Please allow an old political sinner, outlaw, iconoclast, recalcitrant, reprobate, heretic and has-been to explode one feeble splutter through your columns, with the hope that maybe he will express what a good many people in Virginia are thinking.

Let me say at the beginning that I continue to believe Grover Cleveland to have been the greatest man we have had as President since Washington, without a single exception. I admire Cleveland's style of political architecture; very strongly love he men and she women, and as strongly loathe squalling and sterile females and effeminate and dilettante males in our politics; have firm faith in the superiority and supremacy of the masculine gender in all large and general affairs; think the rooster was intended to crow and parade and the hen to cluck and scratch and hatch; most desperately abominate the intellectual dudes and snobs, including college professors, who undertake to strut before us of the common herd, displaying their acquirements and supposed profundity of thought and elegance of standards—the whole business frequently of the shoddiest and showiest and cheapest kind—and who hope to become tremendous by being different. Furthermore, I revere sincerely what remnants we have of the rights and dignity and sovereignty of the states of this Union and of the liberties and privileges of the individual citizen, including his right to have some say-so in the management of his own and his family affairs.

With this precedent confession of treasons and contumacies, let us approach our mutton. In the words of Bret Harte:

"Which is not my style
To inflict needless pain
By statements that rile
Or that go 'gin' the grain."

But, considering the election returns, I am moved to rise to remark and to inquire, "Where are we at?" Also, "Whither are we drifting?" Also, Have we any leaders or leadership? If so, who? And where? And which? And how? And when? And wherefore? Mr. William J. Bryan seems to be the nearest thing to a leader we have got, and he seems to lead us by the nose mostly. In twenty-eight years he personally has led us to three national defeats which would have killed any organization on earth but the Democratic party. Since the Civil War that party has elected two Presidents. Mr. Bryan repudiated and denounced one of these and quickly quarreled with and parted from the other.

Our mouse reversed the fable. After many days of frantic and fitful labor in Madison Square Garden it brought forth a mountain of a man, gave us as Presidential nominee one of the biggest, strongest, highest and most attractive citizens of the country. Mr. Bryan had hamstrung him, as a pleasant preliminary attention, and then proceeded to pile on him a handicap in shape of Brother Charles, a harlequin who couldn't, or wouldn't, ride nor guide and was simply a clowning, posturing dead weight. In all our political history there is no lonelier, more pathetic or more admirable figure than John W. Davis, fighting stanchly, doing his full duty almost unaided, his struggle hopeless from the first, facing and enduring crushing defeat which he did not deserve, which was not his fault, but of which he must pay the penalties and carry the responsibilities.

Can't we develop leaders who can and will lead us somewhere and toward something with definite and distinct policies and purposes? Virginia has in Congress the strongest of all the delegations—strong in native abilities, character, experience and influence, with a fine record of achievement in recent years. But what did it do in the last session?

It trailed along abjectly, following blustering, blathering crossroads windbags from some of the Southern states, vastly noisy and intensely provincial, posing for backwoods galleries. With this guidance the Virginians meekly submitted to be hitched into alliance with frothy, futile demagogues from the Pacific Coast and thereabouts, some of them with cunning enough to be potentially dangerous, others merely ridiculous. The old and honored Democratic party, with its splendid history of big accomplishment, was made part of a spectacular Wild West show, featuring Miss Roxie Stinson—a performer of various adventures and variegated matrimonial and masculine experiences and associations—and Gaston Means, indicted on an astonishing assortment of offenses, ranging from murder to bootlegging, and, according to his own statements, living neck deep in muck. Virginia Senators and Representatives were made supers in this exhibition and expected to clap their hands and hurrah and call, "Sickem, boy," while busy little notoriety-seeking statesmen sniffed and burrowed anxiously and eagerly seeking a scent which would prove, through Miss Stinson and Mr. Means, that President Coolidge was a thief or had gone to see a moving picture or a prize fight, or something, occasionally pausing to bark joyously, through the newspapers that a hot trail to the White House had been struck.

Democratic members of Congress piled on their party the disgusted derision of most of the thinking people of the country long before the campaign opened. And our new allies, who had used us for their purposes, drove their knives deeply into us and our nominees. Most of those with whom we consorted so affectionately had been calling themselves Republicans, while the republican name and organization could help them to jobs and power, to butcher the party in which they claimed membership—boring from within, according to Bolshevik and I. W. W. methods. We seem to have had the simple faith that people who had been shamelessly treacherous to associates and benefactors would be true to us and loyally deliver a vast bunch of Western votes in the Electoral College and Congress. Virginians, with their traditions of personal and political honor and dignity, and supposed to have at least an ordinary share of sagacity, made part of a mess like that!

The come-on in New York city who pays cash to a stranger for the Brooklyn Bridge and monopoly of its toll business is a monument and model of foresight and wisdom compared with our Senators and Representatives as they permitted themselves to be made to figure in this transaction.

For the love of Mike, look at the figures—the great states of New York and Ohio, with their masses of intelligent people,

electing Democratic governors and burying the Democratic nominee for President under avalanches of adverse votes, not because Mr. Davis had done or said anything to forfeit popular confidence or good will, but because his party had made a record in recent sessions of Congress, had involved itself in an unholy alliance which disgusted and alarmed thinking voters! Thirty years ago, until Mr. Bryan and the statesmen to the south of us took charge of the Democratic party and carried us headlong for the free and unlimited coinage of silver at 16 to 1, Maryland, Missouri, Delaware, Tennessee, Kentucky and West Virginia were counted as surely and safely parts of the Solid South as Texas, and we had but to win Indiana, New York and New Jersey to carry the country. Now the Democratic strength is reduced to the states of the Southern Confederacy. One after another the border states have become Republican or doubtful.

Look at the figures and the map.

Again quoting Harte :

"So I asks without guile,
An' I hopes not in vain,
If this is the style
That is goin' to obtain."

If it is, the traditional cat in hell without claws was an animal with prospects and outlook altogether lovely compared with those of the Democratic party. We never can win, nor deserve to win, by playing school-boy tricks, along with yokels from the South and zanies from the West, on the Republican party and Administration, merely hindering the Republicans in whatever they undertake, regardless of whether it be right or wrong, wise or foolish. Probably eight-tenths of the business people of the country, regardless of parties, believed the Mellon plan for income tax reduction the best in sight. The returns look that way. We went solidly with the insurgents from the Republican party and opposed and defeated Mr. Mellon and Mr. Coolidge and cackled ecstatically over the feat. And a lot of good it did us election day, didn't it?

They say a parrot lives to be a hundred years old. If that be true, I want to bet money that there is not an old moth-eaten parrot in a cage with vocabulary acquired in 1835 who couldn't give us better and more effective campaign cries and slogans and plans than those with which we loaded the unlucky Mr. Davis. We went howling that dismal old shriek against "Wall Street" in face of the plain fact that Mr. Dawes and J. P. Morgan had done more in three months to establish peace in the world and to restore prosperity in Europe and stable markets there for our products than all the smug and salaried propagandists of pacifism and Miss Nancy-ism and all the solemn doctrinaires and idealists had done in years. We tried to make people forget that Wall Street is the rock on which our commercial stability is founded. We encouraged the belief that we could, and would, throw the election into Congress and have Brother Charles made President under La Follette and public ownership influence. Probably the great majority of the business men of Virginia, even while voting the Democratic ticket, were hoping in their hearts for Republican victory.

We never will get anywhere as Advance Agents of Anguish, Harbingers of Horror, Distributors of Desolation and Despair, Retailers of Rum, of woe the direful spring, reversing the apostle's injunction and rejoicing in iniquity. We have been trying to win by appeal to the forces of failure and hate, forgetting that 80 per cent of the people of the country are business people owning, or hoping to own, something and looking forward hopefully to reaching the upward road, financially and socially. We have been catering to the element Shakespeare described 300 years ago, "moody beggars starving for a time of pell-mell havoc and confusion." And we have wound up, we and our precious associates and political boon companions, feebly absurd and absurdly feeble. Virginians, inborn conservatives and ingrained Americans, cheek

by jowl with half or whole foreigners, Socialists, Bolsheviks, Republican renegades, anarchists and what not in the way of a political hell-broth. The state of George Washington and John Marshall trotting at the heels of La Follette, who would give bare majorities in Congress the power to overrule the Supreme Court and construe the Constitution, the compact among the states, at their will, even to destruction of local governments and of rights of private property!

Look at the map. Look at the returns from the recent election. Then say if there is not opportunity and need for Virginia and Virginians to assert their old-time right of leadership and guide the party away from puerile folly and degrading association to strength and wisdom and real achievement which will live and regain for us the country's confidence and respect.

The Richmond Times Dispatch, in discussing the foregoing letter by Mr. Williams, says :

"All Virginians who have read the striking letter of Alfred B. Williams, published in The Times-Dispatch a few days ago, and reprinted in other newspapers, are asking themselves the question: Why does not Virginia resume her old place of leadership among the states? Mr. Williams gave numerous reasons and forcefully stressed them, and with most of them most of the people of Virginia will agree. But it is possible that the one outstanding reason which he failed to accentuate is the strongest reason of them all. That is: Of course Virginia is not a leader among the states, when there is no helpful leadership even within Virginia itself. 'Physician, heal thyself!'

"There is no reason why other states should look to Virginia for leadership, when they know that Virginia is listed among the backward states of the Union. If they do not know that Virginia's low rating is due to the fact that her political leaders are not devoting themselves wisely to the welfare and advancement of Virginia, we in Virginia know it. The Times-Dispatch and a few other newspapers in Virginia know it, and charge it, and hundreds of thousands of men and women in Virginia know it. Whether the other states know the cause and understand the situation or not, they do know that Virginia is among the notoriously unprogressive states of the Union.

"We might as well ask ourselves what is the matter, and we might as well try to answer the question frankly. The answer is that the political machine which has controlled Virginia for more than twenty years is an outworn machine. Unless it is repaired, it must be scrapped before Virginia may even begin to dream of leading other states. Unless those who control it make the repairs themselves, the people of Virginia must discard it and set up another machine to operate for them. As it functions now, it does not work to the advantage of the state. To the contrary, it works to the disadvantage of the state.

"The leaders in Virginia are the men who have blocked nearly every important movement launched for the betterment of the state in recent years. It will not do to say, as has been said, that they have represented the people, or that they have referred this or that to the people and have been guided by them. Having attained control of the courthouse rings and municipal political organizations, they have themselves guided—and misguided—the people; and they have themselves, by the exertion of their powers, guided—and misguided—the Legislature itself.

"Equalization of taxation has been defeated because the leaders, for various reasons, did not want equalization of taxation; speedy completion of the state highway system was defeated, because the controlling leaders did not want their sections to bear their just portion of the burden; development of the state's greatest asset, the port of Hampton Roads, was laughed at during the last session of the Legislature, because the leaders were afraid even to suggest to the people a possible bond issue; simplification of government has been rejected, because the leaders want and purpose to maintain their organization without disturbance of any kind. Even better regulation of pilotage was brought about against the will of the leaders, and only because pilotage conditions had become a state-wide scandal.

"Leadership? Leaders? Virginia's Democracy lead and point the way to North Carolina's Democracy. To Florida's Democracy. How can Virginia lead the way in the nation's affairs, when she bungles her own affairs? How can she lead the blind, when she is blind?"

A WILD BOOM IN LANCASHIRE COTTON-MILL STOCKS.

A Fifty-Year Record in Sales of Cotton-Mill Shares Surpassed.

Manchester, England, November 5.—The improved state of affairs in the Lancashire cotton industry and in industrial circles in England is reflected in the great and clamorous demand on the part of the public for cotton mill and industrial shares generally. Some sensational advances in price have occurred during the past week or so.

Many shares that could be bought for a few coppers a few months ago are now changing hands at prices in the neighborhood of 4s, 5s or 6s. More than 500,000 shares were sold while the Lancashire Share Brokers list was being "called over," which takes about two hours, this number being greater than at any time in the "turnover boom" of 1920 and establishing a record in the 50-years history of the Association.

Shrewd speculators who booked up thousands of shares a few months ago at a discount have now been able to obtain a splendid return on their holdings. Despite the heavy buying there has been no rush to have the shares registered at the mills. Most of them are being disposed of again and again on quick rises, buyers preferring not to be left again with a liability of 10s per share on their hands.

Between October 27 and 29 the value of the shares of about 300 cotton spinning companies in the official list of the Lancashire Share Brokers' Association increased by £2,706,000. On the Manchester Stock Exchange there has also been increased activity and while interest in textile and mill shares continues to provide a very large proportion of the business passing, owing to the better outlook for the cotton industry, other groups in the industrial sections have also attracted considerable attention.

Steel, iron and engineering shares are showing greater vitality than at any period this year as many investors think that with the change in Government these industries will have a better chance in the future than they have had for some time.

Textile machinery shares have also shown greater liveliness. Prices for some of these have already taken an upward turn. On the Manchester Stock Exchange, Tuesday was the biggest day experienced since before the war. So much business was done that an extra board had to be fixed to record the transactions. New high records were established in several instances.

Marland Oil Company's Big Developments.

Big Lake, Tex., November 22—[Special.]—Further information in regard to the recent contract entered into by the Marland Oil Co. of Ponca City, Okla., with the Big Lake Oil Co. and the Texon Oil Co., indicates that it is one of the largest transactions of the kind yet made in Texas. It is stated that the contract provides that the Marland Oil Co. shall take the entire production of the two companies as long as the field lasts, and it is thought it will not be long before the field has a daily production of over 100,000 barrels.

Work has already started on the Marland Company's tank farm, midway between Big Lake and Texon. Excavations for foundations for the first four of eight tanks, each of 80,000 barrels capacity, are being dug, and materials have been shipped by the Chicago Bridge & Iron Works. The tanks will cost approximately \$400,000. Nine miles of pipe will be required to connect them with the eleven present producers. J. B. Barker is superintending the installation.

Good progress also is being made by the Big Lake Oil Co. in erecting its \$250,000 casing head gasoline plant at Texon.

Pecos River Dam Project to Irrigate 200,000 Acres in Texas and New Mexico.

Austin, Texas, November 22—[Special.]—Revision of plans for the construction of a big dam and irrigation system upon the upper course of the Pecos River provides for locating the proposed dam in Texas instead of at Red Bluff, N. M., as originally considered. The project, however, will have an interstate bearing, as the water of the reservoir will back up into New Mexico for several miles. The point on the river where the dam is to be built is about 22 miles south of the New Mexico line.

The Texas State Board of Water Engineers will send a corps of engineers to make surveys and topographic maps for the dam, irrigation canals and ditches about December 1.

The capacity of the reservoir and system of canals and ditches will be sufficient to irrigate approximately 200,000 acres. Several small private irrigation enterprises, already in operation along the Pecos River in Texas, will be merged into the major project, it is stated. The cost of constructing the dam and irrigation system will be borne by the land-owners. Bonds, based on the value of the land, will be issued to meet construction costs.

The Arkansas Traveling Exposition.

On its annual tour for 1924, the Arkansas Traveling Exposition is reported to be receiving warm welcome all along the line of its itinerary, which will be closed at the end of this week. The main objects of the tour are described as "to acquire the benefit of new acquaintances and business connections abroad" and "to render service to the state and communities, presenting samples of wealth and the story of opportunity that Arkansas offers to enterprising industry." The guiding adage of the trip is a suggestion from the MANUFACTURERS RECORD, "It is time for Arkansas to wake up and show herself to the world." The route includes Detroit, New York city, Jersey City, Trenton, Washington, Charleston, Lexington, Louisville, St. Louis and intermediate points. The Kansas City Southern Railway is handling the special train.

Contract for \$1,000,000 Building at San Antonio.

San Antonio, Tex.—General contract for the \$1,000,000 office building to be erected here by the Medical Arts Building Co., has been awarded to J. P. Haynes of this city. The structure will be thirteen stories and basement, with a ground area of 11,000 square feet. It will have a reinforced concrete frame, reinforced concrete foundations, cement and tile floors, and copper and tar and gravel roof. The building will be equipped with vapor steam heating plant, metal doors, mail chutes, rolling partitions, vault lights, ventilators, steel sash and trim and wire glass. Ralph H. Cameron of San Antonio, is the architect.

\$700,000 Apartment House for Oklahoma City.

Oklahoma City, Okla.—A company headed by A. C. Kreipke is having plans prepared by Layton, Smith & Forsyth of this city for an apartment house at Shartel avenue and Classen boulevard, estimated to cost \$700,000. It will contain 120 apartments, roof garden, sun parlor, children's playground, large lobby and other facilities.

The State Fair of Texas, W. H. Stratton, secretary, Dallas, is having plans prepared by Lang & Witchell of Dallas for the erection of a new auditorium in Fair Park estimated to cost \$500,000.

To Save and Replenish National Timber Supply.

Practical plans for "diminishing the present waste and increasing the present supply" in national timber resources, as President Coolidge expressed it, engaged the attention of nearly 400 men interested in that dual problem at the National Conference on Utilization of Forest Products, last Wednesday and Thursday, in the new National Museum at Washington. By those present the conference also was regarded somewhat as a memorial service to the late Secretary Wallace of the Department of Agriculture, who had arranged and called it.

As an object lesson to the participants and to other visitors, before entering the conference, an interesting exhibit had been arranged in the lobby, showing the waste of timber in the successive steps from the standing tree to a finished frame house, this being pictured in half a dozen scenes and culminating in a disclosure that of the original tree only 40 per cent went into the house and the other 60 per cent was wasted. First showing a miniature forest, as 100 per cent, the exhibit next presented a logging camp, in which 13 per cent went to waste, followed by a sawmill in which no less than 40 per cent was said to be lost; in the planing mill, the next scene, 3 per cent was wasted, while 4 per cent was lost in the construction of the dwelling—"Forty per cent used; 60 per cent wasted," said the legend.

Experienced as most of the conference were, the visualized waste appeared to impress them greatly and to encourage them to emphasis in their suggestions for remedies.

"The Government is going to ask you to consider definite plans for reducing timber waste," said President Coolidge in his address to the gathering. "It is going to suggest that out of this conference shall emerge a program of specific action for timber-saving, rather than a mere expression of ideas."

To "bridge the fatal gap between cut and growth," as he expressed it, President Coolidge suggested the husbanding of supplies—a "big-scale program of timber-growing," he said, would be poor business if loss by unsatisfactory ways in manufacturing timber were not prevented. "A tree saved is a tree grown," he added.

Following the President, Acting Secretary Gore first paid tribute to the memory of Secretary Wallace, of whom he said:

"Secretary Wallace gave a great deal of thought and energy to developing a national program of forestry. It fitted into his broad vision of conserving and handing down unimpaired to posterity our great heritage of natural resources, of maintaining the fertility of our farm lands, of saving our grazing lands from deterioration, of making our forest lands truly productive, and of saving our wonderful variety and abundance of wild life. He conceived of timber-growing as a great and important part of agriculture, involving the wise and productive use of one-fourth of our whole land area. He looked forward to the time when all this great area would be redeemed from idleness and used for growing successive timber crops as our farm lands grow successive farm crops. He saw productive forests not only as a vital adjunct to diversified farms, but as essential to maintaining the forest industries and the forest communities."

In conclusion, Secretary Gore said:

"It might well be asked why, if better methods are feasible, they are not automatically adopted as a matter of competitive improvement of business practice. We of the Department of Agriculture have been asked that question hundreds of times in a hundred fields of agricultural activity. We have learned the answer through long years of experience, and the answer always includes one or more of the following reasons.

"Inertia of trade practice and persistence of established customs.

"Necessity for new training for operatives.

"Necessity for new investments in plant or equipment.

"Necessity for closer executive supervision.

"Necessity for standardizing specifications.

"Necessity for reorganizing and educating markets.

"In the opinion of the Department the effectiveness of this

conference lies in organized industrial effort. The forest industries, in general, have not developed large concentrated units. They are of relatively small average size. In the primary lumber industries alone (including logging camps, sawmills, veneer mills, planing mills and box factories) there are 38,000 establishments, as compared, for example, with a total of 6000 textile mills, 2700 chemical plants and 2800 automobile factories. In addition there is an enormous number of wood-fabricating plants, paper mills, chemical plants utilizing wood and other industries.

"Multiplicity and isolation make extremely difficult the problem of reaching all these diverse groups, as well as the great multitude of large consumers of their products, and force the conclusion that joint effort alone offers a solution."

At the conclusion of Secretary Gore's remarks, the following program for the two days of the conference was opened:

Wednesday morning—"Industrial Co-operation," Assistant Secretary of Commerce, J. Walter Drake.

"A Forest Axiom," moving picture. (Prepared by the Forest Products' Laboratory.)

"Waste Problems," William B. Greeley, Chief of United States Forest Service.

Wednesday afternoon—"Waste in Industry and Methods of Combating It," C. H. MacDowell, President, Armour Fertilizer Works.

"The Road to Better Utilization," John W. Blodgett, Chairman, Central Committee on Lumber Standards.

"Preventing Waste in Distribution," Fred H. Ludwig, Treasurer and General Manager, Merritt Lumber Yards.

"Close Utilization in New England," R. T. Fisher, Director, Harvard Forest.

"Utilization of Little-Used Species," H. Oldenberg, Weyerhaeuser Timber Company.

"Waste Problems in Southern Hardwoods," M. W. Stark, Vice-President, American Column and Lumber Company.

"Avoiding Waste by Dimension Stock," Edward Hines, President, Edward Hines Lumber Company.

"Better Design of Containers as a Means of Saving Lumber," C. Fred Yegge, President, General Box Company.

"Dimension Stock from the Standpoint of the Consumer," R. E. Brown, Fisher Body Corporation.

"Close Utilization as a Factor in Permanency of Forest Industry," A. C. Goodyear, President, Great Southern Lumber Company.

Thursday morning—"Better Utilization of Lumber in Buildings," John M. Gries, Chief of Division of Building and Housing, United States Department of Commerce.

"Preventing Decay Losses of Wood in Service," R. H. Aiston, President, American Railway Association.

"Prevention of Decay and Substitution of Other Species in Pulp and Paper Manufacture," D. C. Everest, Secretary and General Manager, Marathon Paper Mills Company.

"Better Utilization Through Better Machinery," H. C. Atkins, President, E. C. Atkins and Company, Inc.

"Reducing Lumber Seasoning Losses," Charles S. Keith, President, Central Coal and Coke Company.

"Logging and Mill Losses in Pacific Coast States," R. W. Vinnedge, President, North Bend Timber Company.

"Utilization from Tree to Trade," J. H. Allen, President, Sterling Lumber Company.

"Close Utilization in Lake States Hardwoods," Wm. L. Saunders, General Manager, Cummer-Diggins Co.

Afternoon Session—Report of temporary committee on program and organization. Discussion and action by conference. Adjournment.

While much of the discussion centered around curtailment of waste, the project for reforestation appeared to engage deep interest, and long steps in this direction are expected to materialize from the conference. The central committee on lumber standards recommended enlargement of its membership and the adoption of a program to save more than 6,000,000,000 feet of lumber each year. It was presented to the conference by Col. A. C. Goodyear of Louisiana.

The program of activities, as adopted, calls for completion and general adoption and application of lumber standards, as recommended by the central committee; development of the application of scientific principles to the problems of piling, storing and drying lumber, in all its forms; wood

preservative treatments; extension of use of decay prevention in pulp and pulpwood in storage; consideration of scientific methods for arrest and prevention of decay in logs and lumber; encouragement of surveys with the object of utilizing waste products through diversified operations; development, improvement and unifying of building codes; improved designs of boxes and crates and other economies, and encouragement of improvements and economies by organized industrial units consuming forest products.

Lines of investigation which, in the opinion of the conference committee, require first consideration, are: Forest drain loss in the woods; sawmill waste and practices and machinery; best uses of so-called "inferior species"; properties of wood; a timber survey, embracing the supply, amount of land available by regions and classes of soil on which forests can now and later be grown and the rate at which timber is now growing and the potential growing capacity of the land; wood-using industry survey; forest protection from fires, insects and tree diseases, and possible use of tropical woods to supplement American high-grade hardwoods, being rapidly depleted.

Power Company Increases Capital Stock to \$20,000,000—Has \$10,000,000 Expansion Program.

Columbia, S. C.—The capital stock of the Broad River Power Co. recently organized, has been increased from \$1000 to \$20,000,000. This company was organized by the Barstow interests of New York, purchasers of the Columbia Railway, Gas & Electric Co., and is now building a big steam-electric power plant at Parr Shoals, to which the MANUFACTURERS RECORD has previously referred.

According to present plans, the Parr Shoals plant will have an initial capacity of 17,500 kilowatts. Transmission lines to link the Barstow holdings in Spartanburg and Columbia, will be constructed by the Broad River Power Co., which is now acquiring necessary rights-of-way.

Surveys are also being made of possible sites on the Broad River, Saluda River and other streams for the location of power projects. It is stated that various developments of the company within the next few years will entail an outlay of \$10,000,000.

Egyptian Cotton Crop Estimated.

Manchester, England, November 4.—According to a cable received yesterday the Alexandria General Produce Association has estimated the Egyptian cotton crop for this season at 7,000,000 cantars. This is rather larger than expected as about a month ago the Government forecast was 5,944,000 cantars. For last season the output was 6,417,000 cantars, the amount in the year before being 6,684,000 cantars. A feature of this season is the decline in the production of Sakellaridis and users are complaining of pronounced scarcity. This has resulted in Sakellaridis being at a premium compared with Brown qualities. The production of Egyptian cotton is of supreme importance to Lancashire as about half the cotton grown is exported to England.

To Expend \$250,000 for Clubhouse and Other Improvements.

Birmingham, Ala.—The property of the Birmingham Motor and Country Club, Edgewood Park, has been purchased by the Kamram Grotto, Mystic Order of Veiled Prophets, which plans to expend about \$250,000 for additional improvements. Containing 400 acres of land, improvements include a club house, large concrete swimming pool, bathhouses, dancing pavilion and other facilities.

The purchasers plan to build a dam and restore the lake, erect new clubhouse, bathhouses and dancing pavilion.

A Change in Cotton Rates Via Galveston.

Galveston, Texas, November 20—[Special.]—Much importance is attached here to the recent action of the Interstate Commerce Commission in establishing a rail and water rate on cotton from Oklahoma points to Atlantic seaboard territory, 4 cents per one hundred pounds under the existing all-rail rate. It is expected that as a result of this favorable rate adjustment a large amount of Oklahoma cotton will be shipped through Galveston.

It was on the basis of this adjustment—reported favorably in a previous decision on which the carriers were successful in gaining a reargument—that the Oklahoma Cotton Growing Association, a farmers' co-operative body, was induced to select Galveston as a central market for their business. Retention of that business is thereby assured, in addition to the prospect of attracting Oklahoma cotton from other sources here for concentration and shipment, because it upholds the Commission's legal authority to establish new rail and water routes and to fix the minimum rates thereon.

The present all-rail rate from Oklahoma common points to Lowell, Mass., is \$1.54 per 100 pounds; the present rail and water rate through Galveston is \$1.67½, which is to be reduced to \$1.50 under the Commission's ruling. Rates to other New England milling centers run in about the same proportion.

Contracts for \$500,000 Office Building at Norfolk.

Norfolk, Va.—Contracts have been awarded by William Sloane of this city for the erection of his proposed \$500,000 office building here at Bute and Duke streets, to be used by the Seaboard Air Line Railway. Nichols & Lindemann of Norfolk were awarded general contract, while the Pickard Co., Inc., also of Norfolk, was awarded contract for heating and plumbing. Lighting contract was let to Hitt & Brown of Norfolk, and elevator contract to the Richmond office of the Otis Elevator Co. of New York. It is planned to install one freight and three passenger elevators.

The building will be 243 by 49 feet, 9 stories, of reinforced concrete construction, with pile foundations, concrete floors and gravel roof. It will be equipped with metal doors and steel sash and trim. Neff & Thompson of this city are the architects.

\$3,000,000 Program of Expansion in 1925 for Laclede Gas Light Company, St. Louis.

St. Louis, Mo.—Because of the growth of St. Louis and its increased use of gas, the Laclede Gas Light Co. plans to expand its plant and distribution facilities, expending more than \$3,000,000 during 1925. This expenditure, however, is regarded only as a beginning, as the company will probably ultimately double its capacity, building new plants and laying more mains.

Capital Stock Increase from \$5,500,000 to \$12,000,000.

Charlotte, N. C.—An amendment to its charter increasing its capital stock from \$5,500,000 to \$12,000,000 has been filed with the secretary of state at Raleigh, by the Western Carolina Power Co. of this city. The company is a subsidiary of the Southern Power Co. of Charlotte, and its increase in capital stock is for the purpose of paying loans and to provide funds for continuing its development program.

The city of Miami, Fla., C. L. Huddleston, director of finance, has sold \$759,000 of bonds for street and sanitary improvements to Dillon, Read & Co. and L. F. Rothschild & Co., both of New York.

A True View of Southern Textile Mill Conditions.

By DAVID H. CLARK, Egan, Ga.

No subject has suffered more in misrepresentation than the conditions of the cotton-mill employes in the South. Well-meaning people have visited among them to learn at first hand the nature and extent to which cotton-mill owners "drive" their help, but these investigators have gone away after a brief study of conditions and told their findings in such a manner that only harm has been done.

One cannot get at the facts about the conditions of cotton-mill workers by "studying" them from a hotel lobby or from a train window. One must go among the employes and live with them to get the truth; work with them side by side, hear them talk about themselves and about others; ask them what they think of their chances in life and note carefully their replies. In 99 cases in every 100 one will find them optimistic about life and their chance for success. One employe may aspire to be a physician, another a dentist, still another says he is taking a correspondence course and some day he will be a cotton-mill superintendent. Many women naturally entertain a hope to be the brides of such aspirants and help them ascend the ladder to success; others enter school and later go into some phase of business activities other than cotton-mill work.

It is nothing short of criminal to say that cotton-mill employes in the South are a set of ignorant, stupid, shiftless and worthless people. They are anything except that. They may have been "ignorant" when they started, but the night-school system furnished them with an education at least sufficient to read and write. A worker might have become "stupid" by hard toil on a poor little farm, but when he began to draw a living wage at the cotton mill his "stupidity" vanished. Nor is he "shiftless," since he sees that his efforts are well rewarded; he has an incentive to do his best, because he knows that he has equal chances of promotion when he has once proved a record. He hopes to be an overseer of a mill some day, and he knows the pay in those positions often exceed that of the Governor of his state. Not many Governors receive \$25,000 yearly for their services, while that is frequently paid to cotton-mill managers. Finally, no man is "worthless" who adds to the sum total of his country's wealth, and that is what every cotton-mill employe does.

This country needs doctors, lawyers, ministers, chemists, surveyors and others to carry on its vast business and maintain its prestige among the other nations of the world. If the former cotton-mill employe is suited to fill the position, he is chosen. Circumstances can be overcome in life; the cotton-mill employe has demonstrated beyond doubt that he is just as honorable and deserving and has as much chance in making himself felt for good in this world as though he began life splitting rails. He has a vision and follows it wheresoever it leads. In the light of achievements in the Twentieth Century, it is sheer folly to imagine that only people who work outside of cotton mills are the ones who are marked for success in the broad field of human endeavor. Success is not for those who flirt with Fate; it comes only to those who think and work.

The cotton-mill employe must work from the very day he enters the mill—not laboriously, but carefully. He is taught that unless he does his work well enough to pass critical inspection by experienced men he must get off the job so that another may fulfill the requirements. He must make cloth good enough to satisfy the customer when the goods are sold or the reputation of the factory will suffer in proportion to his possible defective workmanship. He realizes the importance of being accurate in his daily task; his chances for

promotion rests on that one point more than at any other place in the whole makeup of mill functions. His job depends upon his ability or mood to do good work—in fact, his bread and that of his family is governed by how well he performs his task. He must work, and, in working, work well.

Who does the heavy, back-breaking work in Southern cotton mills? some ask. The answer is simple. We have machinery to do the heavy work. Such work as lifting bales of cotton or great packages of cloth is now done by portable cranes, traction tackle and mobile derricks. A bale of cotton weighing as much as 500 pounds is as easily lifted off the platform and carted about as though it weighed only five pounds. One man with improved machinery does the work that required 10 men formerly, and does it quicker. The boilers are stoked by machinery and the ashes carried away and dumped as well. The beam upon which the warp is wound, never weighing less than 600 pounds, is now moved from place to place by mechanical means, both accurately and quickly. Boxes of supplies, weighing sometimes 1000 pounds, are picked off the floor and set on top of each other to the overhead boards by machinery. Electric trucks haul supplies from room to room faster than any negro who ever lived. Machinery does all the heavy work, and much that is not heavy also.

In the manufacture of cloth today a knowledge of the technique in every department must be acquired if one would make a success in textiles. Its varying weights and shades must be mastered; the atmospheric conditions taken into consideration hourly; the humidity of the room, the light and temperature all must be understood; even the weather must be taken into account in cotton manufacture.

These improvements in machinery for lifting and transporting heavy objects were invented and designed by the cotton-mill employe in almost every instance. The "hill-billy," dressed in homespun and home-made clothes when he asked for work, later became a blessing to every man connected with the industry. His native-born talent seemed to leap into activity the moment he saw the need for an improvement, and after the patent was granted he walked out of the cotton mill with a check large enough to buy himself a farm and was able to spend the remainder of his life in rural luxury. Another of these "wool-hat" fellows fresh from the pine woods sets himself to the task of rising to the very heights of mill management. He soon makes the foreman his good friend and adviser and spends his time helping to keep the department in order. He learns the cotton-mill vernacular and graduates in good workmanship. Promotion follows promotion so rapidly that it seems marvelous when he is given a chair at the desk of the superintendent or manager.

It has often been said that cotton-mill morals were low and the girls of that industry easy victims. Nothing is more unfair than to judge these young women by such a false standard. Cotton-mill women maintain the highest respect for themselves. The forms of vice so well known and commonly practiced in our cities and towns are not the rule among textile employes. The influence of the former life—that is, the high standards of the country life of these people—was brought to the mill as part of their equipment and has ever been sacredly guarded by parent and guardian against deterioration or decay. The management of a Southern cotton mill positively forbids the employment of persons whose character is questionable. All "drunks," gamblers and "sports" of the baser type are warned to keep off the premises

or go to jail on a charge of trespassing. "Joy-riders," "flappers" and "dope eaters" likewise are not allowed to come on the grounds. Adequate police and constabulary power is maintained by the mill company to see that all undesirables are put on the move at once.

Prohibition is a decided benefit to the employes in the Southern cotton mills. Since the beginning of its enforcement there has been a decided improvement in their condition. It may take more time to work up to the point where these people will be entirely free from the effect of liquor upon their lives and destinies; yet, notwithstanding the fact that men have heretofore had free and easy access to unlimited "booze" and the appetite and habit have fastened upon mill workers, the effect of prohibition already has been most gratifying. A majority of mill people came from sections where liquor was made and kept, but, remarkable as it may seem, most of them left their liquor-making activities behind when they came to the mills. The police records rarely show the name of a mountaineer at present in the cotton mills as charged with whisky connections in any way. In the new life of textiles he has found his environment so radically different that he has forever abandoned his "booze" manufacture, even for home use. He does not permit the coffee-pot distillery in his cookroom. A drunken man is rarely ever seen on the streets of a Southern cotton-mill village any more. When a man does get drunk, it means that it is moving day for him. His job is gone and he is ordered by the management to vacate the premises immediately. This he does without parley. He is thus brought face to face with starvation or sobriety, and he chooses the latter. A drunken woman in a Southern cotton-mill town would be a community scandal. These women never drank, even when the open saloons prevailed, and now that prohibition lends her a club over the head of her tippling spouse she resents to the utmost his squandering for "booze" money that she and the little ones need to buy the necessities of life. She is inclined to turn him over to the police for treatment until he learns that liquor is outlawed and his pay envelope insured against waste. As a consequence, these one-time drinkers have either cut out drink or left home until such a time as one thinks he can "lay off" the drink. Thus, many families now are able to deposit a little in the bank, and to have more clothes and more and better food.

Persons who say that textile employes in the South are behind the times are mistaken. The Southern cotton-mill employe is abreast of the times and constitutes a social factor which in the near future will excite national praise.

Contract for First Unit of \$2,000,000 Hospital—Initial Structures to Cost \$1,000,000.

New Orleans, La.—General contract has been awarded by the Southern Baptist Hospital Commission, Dr. F. S. Groner, chairman of the building committee, to the Selden-Breck Construction Co., St. Louis, for the erection of the main section of the hospital building of 250 beds, nurses' home to accommodate 200, isolation building, laundry and heating plant of the proposed \$2,000,000 hospital to be erected here. Cost of the initial buildings will be about \$1,000,000.

The hospital building will be T-shaped, 110 by 160 feet, 8 stories and basement, reinforced concrete faced with pressed brick, terra cotta trim, with rubber floors and composition roof. A low-pressure steam-heating system with direct radiation will be employed. Favrot & Livaudais, Ltd., New Orleans, are the architects.

It is stated that financing details will be handled by the Whitney-Central National Bank and the Mortgage & Securities Co., both of New Orleans.

Bright Prospects for Lancashire Trade With India.

Manchester, England, November 6.—An optimistic note regarding the prospects for trade in India is contained in the annual report of T. M. Ainscough, the British Senior Trade Commissioner in India, which has just been published. In his opinion there is an immense amount of latent purchasing power in the country, which will be translated into actual buying if only manufacturers' prices could be reduced, and some degree of stability in cotton goods prices reached which would bring about confidence. After four years of unprecedented depression it is now possible to sound a note of guarded optimism. Stocks of imported cotton goods throughout India are very light. During the past twelve months an insistent demand has been met with and the relative meagerness of the actual transactions put through is solely due to the high and fluctuating prices caused by the constant variations in the value of raw cotton. It is pointed out that during the last three years India has experienced good monsoons and considerable prosperity in the country districts.

With regard to the tariff question, Mr. Ainscough states that recent debates in the Assembly on the Steel Industry (Protection) Act clearly show that the members are by no means unanimously protectionists in their sympathies, and he points out that some representatives have voiced the case of the poorer classes upon whom protection in any form will be disadvantageous. Reference is made in the report to political influence on trade in India. The boycott of foreign goods for a time appeared to have serious possibilities but the results have not been so detrimental to the Lancashire trade as might have been expected. The system of organized opposition to British trade and influence is in his opinion merely a temporary phase which will pass away.

Details of \$2,000,000 Cement Plant at New Orleans.

The MANUFACTURERS RECORD has received from the Phoenix Portland Cement Company of Birmingham, Ala., Lindley C. Morton, president, additional details regarding the \$2,000,000 cement plant which that company plans to build at New Orleans. The first unit will have a daily capacity of 2500 barrels or 10,000 bags of Portland cement and 1000 barrels of chemical and hydrated lime, but the plant will be so designed that its capacity may be doubled as conditions warrant.

Owing to the nature of raw materials to be used, which will be oyster and clam shells, with a clay substance to be secured from the Sewerage and Water Board of New Orleans, the wet process will be used for the production of cement. The plant will be fireproof, all buildings to be of reinforced concrete and steel, while its operation, it is said, will be absolutely dustless.

Construction of the plant will be by the company's organization under the supervision of R. J. Hawn, chief engineer. Temporary offices will be built at the plant site and Mr. Hawn, with E. P. Haubert, secretary and purchasing agent, will remain during the construction period.

Forestry Congress at Little Rock.

Announcement is made by J. S. Holmes as president of the Southern Forestry Congress, Inc., that the seventh annual meeting of that organization will be held at Little Rock, Ark., January 19 to 21. The first two days will be devoted to a program covering several problems of particular interest to the South at this time, says Mr. Holmes, including the better management of the pine and hardwood forests, the paper and pulp industry in the South, the establishment of a national park in the southern Appalachians, and kindred topics. The third day will be devoted to study of park administration, as exemplified at Hot Springs National Park.

THE IRON AND STEEL SITUATION

Steel and Iron Markets Improve.

Pittsburgh, November 24—[Special.]—The steel market situation has improved farther and is altogether satisfactory from the standpoint of both sellers and buyers. There is heavier volume of business, in general, and there is an advancing tendency in prices, which is the first in more than a year and a half, or since the last advance ended, in April, 1923.

Thus far there have been advances in only a few lines. Presumably, the advancing tendency will continue and will repair most of the damage done to the market structure in the past 18 months. As some lines declined more than others from the level of April, 1923, and two, pipe and tin plate, did not decline at all, the advances will not be uniform.

In discussions on the steel market, it is pointed out that the typical jobber or manufacturing consumer, if broad-minded, does not object to prices advancing in a legitimate way. In sheets and plates, in particular, recent prices have been unprofitable to producers, and general business prosperity cannot be counted on, unless profits are distributed all along the line. The buyer of steel expects to make a profit and does not object to profits on the part of those from whom he buys. In many cases, indeed, price advances are passed on with an increment.

Steel buying has been stimulated by expectation that prices in many lines would be higher for first quarter delivery. Ordinarily buyers at this time restrict purchases, to keep down inventory, but that is on account of doubt as to prices, not principally to lighten the clerical work of taking inventory. If, as has appeared to be the case in several mill products, the buyer could purchase at recent prices for early delivery and would have to pay more for delivery after January 1, he buys now and then has in his inventory material costing a certain price, but with a higher market price ruling January 1, which makes the inventory look favorable.

The result is that steel mill operations are increasing when ordinarily they would tend to decrease towards the close of the year. Mills are operating at about 70 per cent, the highest rate since last April, while the October rate, as indicated by the ingot report, was 66.4 per cent.

Bars, shapes and plates have advanced about \$2 a ton in the past week or ten days, which means a great deal, since these lines represent nearly half the total steel production. Present prices are approximately 1.90c to 2.00c on plates and 2.00c to 2.10c on shapes and bars. The higher price is for orders with specifications for immediate rolling or rolling at mill convenience, the higher price being for first quarter. Hot and cold rolled strips are up about \$3 a ton and railroad and small spikes \$2 a ton. Several sheet mills have advanced their prices \$2 to \$3 a ton, having some business ahead and thus being content to stay out of the market until the market catches up with them, which it is fully expected to do.

Weekly summaries of fabricated steel contracts let show a substantial increase in the past fortnight over the four weeks preceding. The official report, which is monthly and practically complete, showed bookings in the first eight months of the year the same as those for the same period last year. Actual ultimate consumption of steel and steel products can hardly be increasing at this time of year, but there may be somewhat more consumption in making goods for further distribution.

The pig iron buying movement, which began in a small way late in October, has continued during the past week, and the total turnover to date is estimated at about 1,000,000 tons. This is chiefly in foundry iron for first quarter delivery. The valley market is quotable at \$20.50 to \$21 for Bessemer, \$19 to \$19.50 for basic and \$19.50 to \$20.50 for foundry, on

the basis of last sales, but it is far from certain that any iron can now be bought at the minimum prices given.

Contracting for Connellsburg furnace coke for the first quarter has begun. The initial sales were at \$3.25, as was the case with the buying for the current quarter, but in that instance the market afterward weakened, while now it looks as if prices would advance during the movement and the last contracting be at \$3.50 or thereabouts.

Such contracts regularly include a wage clause, whereby in the event of a wage advance the settling price would correspondingly increase over the figure named in the contract. The balance of probability is that this time the wage clause will operate. Almost all operators except the Frick Company (Steel Corporation) reduced wages last May and June, generally to a level about one-third below the Frick scale. Thus far the difference has produced no trouble, as, while the Frick Company had the scale, it operated very few ovens, the Steel Corporation depending on its by-product ovens. Lately, the Frick Company has been blowing in ovens rather rapidly and it is expected to blow in many more. Obviously this will tend to make the position of the independents untenable.

Southern Iron Interests Confident of Increased Production Soon.

Birmingham, Ala., November 21—[Special.]—With a big start made on the selling of the probable make of pig iron in the first three months of 1925, Southern furnace interests are absolutely confident that a good, active year is before them, that the production will have to be increased and that an advance in quotations is assured within another 60 days, if not sooner. The melt right now is heavier than it has been in some time and steady delivery of iron is being made in the home territory, while shipments outside of the local market have started. Sales have been around \$18 per ton, No. 2 foundry, for the remainder of the year and \$18.50 for the first quarter of next year. Smaller furnace interests have been selling at \$19. Predictions have been made that on the turn of the year the general quotations of No. 2 foundry will be around \$20 per ton, and then as the demand increases higher prices will follow.

The selling for the past three weeks has been so steady that the Southern furnace interests will go into the new year with a large proportion of the probable make of the first three months sold. Many sales are being consummated now for the remainder of the year, the consumers who for some time past have been buying in small lots, immediate district, now buying in a little larger tonnages but asking immediate delivery. Sanitary-pipe shops, for instance, are melting more iron, while stove foundries in the South and middle West are buying in greater quantity. Furnace interests are shipping iron to suit wishes of consumers. Recently shipments were started the same day the orders were received.

The Tennessee Coal, Iron & Railroad Co. has all of its available blast furnaces in operation now, but very little of their output, so far as blast furnaces are concerned, goes on the open market. Greater production is in sight. On the turn of the year there is no doubt the probable make will hardly suffice. The surplus stock, of course, will be cut into, but it is not of so great tonnage as to promise much. The production in Alabama for the present month will be around 253,000 tons, more than half of which will be basic iron, and not be placed on the market. The last month of the year will see an even larger output. The Woodward Iron Company has been operating one of its Woodward furnaces on

basic iron, having taken an order for a considerable tonnage of that class.

J. W. McQueen, president of the Sloss-Sheffield Steel & Iron Co., who has for years been considered one of the best judges of future market conditions in the South, is sanguine that the demand for iron is going to be good throughout the first quarter of the year and longer, his intimation being that, with a start made before the turn of the year, the selling will be steady and the demand strong.

Taking over of The Alabama Company by Sloss-Sheffield was easily accomplished by the latter company in a financial way, disposition of lien notes in New York requiring no material effort. Coal and railroad properties of The Alabama Company were considered of great value and will harmonize with the greater operations of the Sloss-Sheffield Steel & Iron Co. The Mary Lee coal mines, with the railroad line from these mines to North Birmingham, near where Sloss-Sheffield has an extensive by-product coke oven plant, is a combination that promises to be most profitable, not to overlook the blast furnaces and the ore properties of The Alabama Company. One of the blast furnaces at Gadsden, producing machine-cast iron, has been getting \$19 per ton for the product right along, the iron having an established reputation.

An accident in the furnace No. 1 of The Alabama Company at Gadsden has caused the iron maker to be closed down. The damage can be improved shortly and as soon as the Sloss-Sheffield Steel & Iron Co. takes over the properties of the company it is expected the furnace will resume.

The steel market is showing improvement also, although definite reports are not so easily obtained as with pig iron. Manufacturers and fabricators both say that conditions are better, with prospects bright for the future. The Tennessee Coal, Iron & Railroad Co. has received many orders for rail and other shapes, while the American Steel & Wire Co. and the Gulf States Steel Company have been enjoying an improved demand for wire and nails and the shapes produced in their respective plants.

The Connors Steel Company has been shipping cotton ties and other products in quantity, the demand for ties particularly having been good. The smaller fabricating plants of the district report considerable structural steel work.

The coal-mining industry in Alabama is somewhat more active than it has been. The shipment of 13,000 tons of lump coal to Cuba by the DeBardeleben Coal Corporation is believed to be a forerunner of greater export business. Fuel-using industries are calling for more coal. Despite the strong and increasing hydro-electric opposition, the coal market is expanding. Coke producers announce stronger demand, but quotations remain the same, \$4.50 to \$5 for foundry coke. Independent producers are exerting themselves in getting out coke and making prompt shipments. Formal announcements as to the merger of the Alabama By-Products Corporation and the Pratt Consolidated Coal Company will be given out shortly. Included in the Pratt Consolidated properties are two mines operated with convict labor.

The scrap iron and steel market continues slow.

Pig iron and iron and steel quotations are as follows:

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$18.00 to \$18.50; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$18.50 to \$19.00; iron of 2.75 to 3.25 per cent silicon, \$19.00 to \$19.50; iron of 3.25 to 3.75 per cent silicon, \$19.50 to \$20.00; iron of 3.75 to 4.25 per cent silicon, \$20.00 to \$20.50; charcoal iron, f. o. b. furnaces, \$29.00.

OLD MATERIAL.

Old steel axles	\$16.50 to \$17.50
Old iron axles	17.00 to 18.00
Old steel rails	12.50 to 13.00
Heavy melting steel	11.50 to 12.00
No. 1 cast	13.50 to 15.50
Stove plate	13.50 to 14.00
No. 1 railroad wrought	12.00 to 13.00
Old car wheels	14.00 to 14.50
Old tramcar wheels	14.00 to 15.00
Machine shop turnings	6.00 to 7.00
Cast-iron borings	7.00 to 8.00
Cast-iron borings (chem.)	15.00 to 16.00

Buying Movement in Pig Iron—Quotations Reach \$19.00—Further Advance in Prospect.

[Telegram to Manufacturers Record.]

Birmingham, Ala., November 22.

Big pig iron buying movement under way in this district, and quotations have reached \$19.00 per ton, No. 2 foundry, with another dollar advance in sight by December 15.

LEON W. FRIEDMAN.

Union Mine Laborers Working to Break Down Non-Union Mining Operations in West Virginia.

Charleston, W. Va., November 21—[Special.]—Evidently encouraged by recent court developments and by the election results in certain counties of West Virginia and construing such developments as being favorable to them, officials of the United Mine Workers are planning a campaign of organization among the non-union coal fields of southern West Virginia; according to an announcement just made by Percy Tetlow of Charleston, provisional president of district 17. This drive is being undertaken at the direction of John L. Lewis, international president, it has been stated by Tetlow. The latter claims that more than 2000 non-union coal miners in the Cabin Creek, Paint Creek and Little and Big Coal River districts have quit work and that others will do so because of the existence of the 1917 wage scale. Of more than passing significance is the announcement made by Tetlow that the organization drive will be extended to the Logan coal fields and that it will be prosecuted vigorously in all non-union coal fields of West Virginia.

The move to unionize the mines which have been operating with non-union workmen for the last two years is, in fact, already under way but it is not having the effect the officials of the union had desired. For the last two weeks organizers have been at work holding meetings and although they have succeeded in inducing some miners to rejoin the union and cease work; not enough non-union miners have deserted the mines to seriously affect operations. At certain plants the miners have been told that whenever production is curtailed to the extent of 25 per cent, such mines will be closed down rather than to recognize the union.

The miners' union has not even succeeded in forcing a suspension of operations at the plants of the Coal River Collieries Company, the stock of which is owned in large part by members of the Brotherhood of Locomotive Engineers, notwithstanding a recent statement made at Cleveland by officials of the United Mine Workers. There are about 150 miners at work at the Coal River Collieries company's mines and such non-union workers are mining coal on a co-operative basis, that is they are taking stock in the company.

The Mine Workers union is apparently pinning its hopes of making headway in the Logan field on the fact that Don Chafin, Sheriff of Logan, has been convicted in the federal court for the southern district of West Virginia, and apparently construes the clashes between deputy marshals of that federal court and deputy sheriffs of Logan county as a sign that the district court is friendly to the United Mine Workers.

The union also hopes through the election of sheriffs in certain counties of the state to be able to accomplish more toward organizing the mines, without interference, than was possible under county officials now about to retire from office.

Buys Light and Power Plant at Canyon.

Canyon, Texas, November 15—[Special.]—The Texas Utilities Co. of Plainview has purchased the electric light and power plant here from A. J. Arnold, and will connect it with its transmission system in northwestern Texas. The company owns power plants at Plainview and Lubbock, with power transmission lines extending to a number of towns.

RAILROADS

MAGNITUDE OF RAILROAD WORK THIS YEAR.

All Records Broken for Large Weekly Freight Loadings—Great Results from Co-operation and Improvements to Entire Transportation Plant.

There were more than 42,100,000 cars loaded with revenue freight this year from January 1 up to November 8, according to the car service division of the American Railway Association. Loadings during the first week of November showed less than a million cars for the first time in several weeks—being nearly 79,000 cars less than the previous week—owing to the holiday of election day; the total for the week was 994,504 cars. The daily totals of freight loadings are, however, being well maintained and seven new records were established during the year, most of them this fall.

"The records indicate," according to the report of the car service division, "the heaviest loadings of commodities in box cars during the year up to date of any similar period on record. * * * All previous grain loading records were broken. * * * There has been no accumulation of traffic or congestion during the year chargeable to railroad disability. Such congestion or accumulation as existed during the year and which made embargoes necessary was due to inability of consignees to unload cars promptly on arrival."

The report paid a tribute to the successful activities of the various shippers' regional advisory boards, organized in all parts of the country and representing all phases of agricultural and industrial production. "Their assistance," says the report, "is responsible in no small degree for the success of the railroads this year in providing satisfactory transportation for agricultural products.

"From August 1 to November 1, inclusive, 13,497,655 cars were loaded with revenue freight, as compared with 13,672,035 cars during the corresponding period last year, a decrease of only 174,380 cars or 1.3 per cent." It was toward the last of this period this year that all loading records per week were broken.

Another statement issued by the Association says: "Through increased efficiency and economy in operation, the railroads brought about a saving in 1923 of \$932,591,000 in operating expenses, a large part of which was passed along to the public in the shape of reduced freight rates. The saving to the shipping public due to decreased freight charges in 1923 amounted to approximately \$657,000,000, as compared with the rates in effect in 1921.

"At the present time the railroads are furnishing the most satisfactory service ever given in their history, both from the standpoint of car supply and prompt movement of the loaded traffic. While it is too early to ascertain the savings that have resulted from a continued efficiency in operation in 1924, there is no question but that it will prove to be in excess of that for 1923."

Additional information concerning the work that has been done by the railroads as a whole to increase their capacity for transportation is also given by the Association as follows:

The railroads of the United States on April 5, 1923, adopted a program to provide adequate transportation service. All the plans adopted at that time have been and are being carried out. The improvement in the transportation plant and the expansion of its capacity, including improvements in and additions to roadway facilities, locomotives and cars, involve very great capital expenditures made largely from

borrowed money. These capital expenditures both for 1923 and 1924 follow:

	Capital expenditures 1923	Authorized expenditures 1924	Total
For locomotives	\$208,906,280	\$101,233,000	\$310,199,280
For cars	472,757,711	412,264,000	885,021,711
For other improvements	377,425,435	563,800,000	941,225,435
Total	\$1,659,149,426	\$1,077,297,000	\$2,136,446,426

Of the \$1,077,297,000 of capital expenditures authorized for 1924, reports from the railroads of the country show that during the first nine months in 1924, \$610,904,000 were actually expended. This would leave \$466,393,000 in unexpended authorizations which are being spent constantly for new equipment, extension of plant facilities and other improvements.

\$500,000 Railroad Bonds Bought by Railroad Brotherhood Investors.

Nearly \$500,000 worth of Pennsylvania Railroad securities were recently bought in one week by the Brotherhood Investment Company, of New York, according to a press report from Philadelphia. The purchasing company is controlled by the Brotherhood of Locomotive Engineers, which as is now generally known, is engaged in banking and trust company business, and the report quotes a letter written by George N. Deguire, vice president of the company, to Elisha Lee vice president in charge of operation of the Pennsylvania Railroad, saying:

"Knowing your interest in the work we are doing, I want you to know that we purchased last week through Kuhn, Loeb & Co., Pennsylvania securities to the extent of approximately a half million dollars which are being offered for resale to railroad employees and others through our various banks.

"As in the case of our recent purchase of Pennsylvania securities we will continue to add to our list and hope, in time, to be able to offer employees on practically every railroad, bonds of the property from which they derive their livelihood.

"It seems to me that this plan will go a long way toward promoting greater cooperation between the management and employees of the various lines, and if it has this effect I will be greatly pleased."

It will be noted from the letter that this was not the first time that the Brotherhood Investment Company had purchased securities of the Pennsylvania Railroad, and the Philadelphia Public Ledger says:

"Coming as it does with stock market transactions reaching record-breaking proportions, with both stocks and bonds taken heavily to fill orders from all parts of the country, Mr. Deguire's communication is looked upon with significance in the railroad and financial districts.

"Some interpret it as an indication that railroad employees consider as most remote the passage of any national legislation that would work to the disadvantage of the expected expansion of the railroads of the United States, and further, that they believe relations between executives and employees will become more firmly cemented."

A Fine Railroad Periodical.

The November issue of the Norfolk and Western Magazine published by the Norfolk & Western Railway Co. in the interest of its 30,000 active and retired employees, is an exceedingly interesting and attractive number. Among its features are articles by P. R. Conway concerning the company's safety car which is a lecture room on wheels with motion picture facilities for promoting information about safety on railroads; and by John C. Davidson about the extension of the electrification of certain parts of the company's line for operation with electric locomotives. The new shops at Shenandoah also come in for treatment in a contribution by Walter Budwell, as well as the new viaduct at Petersburg, Va., that is described by V. D. Johnson. These are only a few of many excellent articles in the magazine.

Suggestion Made to Alter a Railroad Plan.

Examiners for the Interstate Commerce Commission have submitted to that body a finding, recommending against the application of the Owensboro, Rockport & Chicago Railway Co., filed July 19 last, asking for a certificate of public convenience and necessity to construct a line from Owensboro, Ky. to Elnora, Ind., about 84 miles. Testimony showed that the enterprise is an outgrowth of the plans of the Owensboro & Rockport Bridge & Terminal Co., that was organized about 14 years ago to build a line from Owensboro, Ky., to Rockport, Ind., which are near one another.

Owensboro is on the Louisville, Henderson & St. Louis Railroad, and Elnora is on the Chicago, Milwaukee & St. Paul Railway, and the Evansville, Indianapolis & Terre Haute Railway and at the time the application was made local reports intimated that the St. Paul System was more or less interested in the projected construction. The report of the examiners says that the question arises whether most of the benefits claimed for the proposed line could not be obtained by building from Owensboro to Rockport, 12 miles, connection being made at Rockport with the Southern Railway.

The officers of the applicant company are E. T. Franks, president, Washington, D. C.; E. C. Stimson, vice-president; E. W. Smith, secretary; (also secretary of the Owensboro Chamber of Commerce); Ernest Rowe, attorney; Lawson Reno, president of the Central Trust Co.; R. W. Owen and Gleeson Murphy, also director, all being of Owensboro except Mr. Franks.

New Equipment, Etc.

Louisiana & Arkansas Railway has ordered two Mikado type locomotives from the Baldwin Locomotive Works.

Equipment inquiries reported in the market are as follows: Missouri-Kansas-Texas Railway, 10 eight-wheel switching locomotives; Central of Georgia Railway, 500 steel underframe box cars of 40 tons capacity, 5 passenger cars, and 1 baggage and mail car; Terminal Railroad Association of St. Louis, 15 eight-wheel switching locomotives.

Missouri Southern Railroad has ordered a combination passenger and baggage gasoline motor car from the Baldwin Locomotive Works.

Santa Fe System has ordered 85,600 tons of rails distributed thus: Colorado Fuel & Iron Co., 70,000 tons; Bethlehem Steel Co., 7600 tons; Illinois Steel Co. and Inland Steel Co., 4000 tons each.

Pushing Double Track on Atlantic Coast Line.

The Atlantic Coast Line has awarded a contract to the Cornell-Young Co., of Macon, Ga., to build second track on its main line between Ravenel and Drayton Hall, S.C., a distance of 27 miles. The same contractors have the second tracking contract from Burroughs to Atlamaha, Ga., on which work is well advanced. It is further stated that the railroad has opened to traffic the second track from Parkton to Pee-Dee, S. C., 57 miles, so that double track is now being used over most of the main line to Jacksonville, Fla. Completion of the two contracts mentioned will give the road double track all the way from Richmond, Va., to Folkston, Ga.

Electric Locomotive Built at Greenville, S. C.

An electric locomotive of 95 tons weight has been completed at the Greenville, S. C., shops of the Piedmont & Northern Railroad, according to a press report. The engine is 64 feet long over all, 15 feet 5 inches high and 9 feet 6 inches wide. F. A. Noblett supervised the equipment of the locomotive and did much of the designing and W. O. Snelgrove built the body and the frame, the plans for which latter were drawn by

E. F. Taylor. A. D. Frye supervised the entire work. The locomotive has sixteen wheels, all being directly connected to eight electric motors. The engine will be used in freight service.

\$60,000,000 Terminal Plan at Cleveland.

The Van Sweringen interests which control the Chesapeake & Ohio Railway, the Nickel Plate System, the Hocking Valley Railroad and other lines, are building a great union railroad terminal in Cleveland, Ohio, that according to estimates will cost about \$60,000,000 and the main building, it is said, will probably be the tallest structure in the city. H. D. Jouett, of the engineering staff, is quoted as saying that the terminal will cover a tract of thirty acres and that four hundred buildings will be razed to make room for it, while 3,000,000 cubic yards of excavation will have to be done. The terminal trackage will total forty-two miles; there will be 450,000 square feet of platform space, besides 760 linear feet of street bridges, 4400 feet of railroad bridges and 450 feet of railroad viaducts. It appears that the facilities will be for electric as well as steam railroads and it is stated that the terminal and first units of the rapid transit lines will be ready for use in 1928.

Eastern Shippers' Traffic League.

The Eastern Shippers' Traffic League, 509 The Bourse, Philadelphia, Pa., is being organized, according to a formal announcement, for protection of the shippers and consignees of freight in eastern trunk line territory, its particular aim at present being to prevent or to lessen the effects of the proposed increase of railroad freight rates in that territory. It is further stated that a reliable estimate of the results of the proposed advance is that they will amount to several hundreds of millions of dollars a year, which it is said, "is unjust, unreasonable and unduly discriminatory against all traffic consisting of manufactured or semi-finished products." Wm. J. Pitt is president; Guy F. Hankee, vice-president; L. W. Miller, secretary and Geo. B. Heckel, treasurer.

Rio Grande Changes Boundary Lines.

Matamoros, Mexico, November 15—[Special.]—Once more has the erratic Rio Grande forced itself upon the attention of the Mexican authorities. Periodically, this changeable international stream shifts its course in time of flood and swipes off big slices of land on one side or other, adding it to the territory of either Mexico or the United States.

For many years the main channel of the river between Matamoros and Brownsville was on the American side; then came a series of floods and the channel was changed to the Mexican side, and the river is now within a few feet of the ferry landing at Santa Cruz. In an effort to check present eating away of Mexican soil at this point, pilings have been dug near the present bank and the space behind these will be filled with a brush mattress and covered with stone and dirt.

On its last big rise in August of this year the Rio Grande cut off a horseshoe bend above here and threw the strip of valuable land into the United States. It embraces 30 acres, and upon it are located the homes of a number of Mexicans, who thereby automatically gained involuntary entry to the United States. Along the river between Brownsville and Laredo a number of other changes of boundary have been made during the last few years by the river marking out a new bed in time of floods.

It is stated that these boundary changes are soon to receive the attention of a joint commission of the United States and Mexican Governments. The routine work of marking the boundary is carried on by the International Water Boundary Commission.

GOOD ROADS AND STREETS

Bids Wanted on Seven-Mile Concrete Road.

Florence, Ala.—Bids will be opened December 17 by the State Highway Commission, Montgomery, for the construction of seven miles of concrete road between this city and Killen. The project will be a connecting link between Florence and East Lauderdale county and is estimated to cost \$175,000.

Lake Worth Will Pave 40 Miles of Streets.

Lake Worth, Fla.—A resolution calling for the construction of about 40 miles of paved streets in Lake Worth, has been adopted by the city commissioners of Lake Worth and it is expected that work will begin as soon as bids can be secured and contracts awarded. Estimates compiled in the office of the city engineer indicate that the cost will be \$250,000.

Kentucky Awards Contracts for Over \$1,000,000.

Frankfort, Ky.—Contracts for the construction of nearly 70 miles of roads have been awarded by the State Highway Commission at its office in this city, at an aggregate of more than \$1,000,000. The total mileage included 49 miles of grade and drainage work to cost about \$800,000, ten miles of water-bound macadam to cost more than \$151,000, and eight miles of rock asphalt.

De Leon County to Vote on \$1,500,000 Bonds.

Tallahassee, Fla.—Acting on the request of several delegations of citizens urging a bond issue in the county for the construction of good roads, the Board of County Commissioners has decided to call an election on an issue of \$1,500,000. At the next meeting of the commissioners, date of the election will be determined and the roads to which funds are to be applied, will be designated.

\$12,000,000 Bridge Plan at New Orleans.

Construction of a \$12,000,000 bridge over the Mississippi River at New Orleans is proposed by that municipality to provide easy access to the city for railroad, automobile, and other vehicular traffic. The bridge will be about 3200 feet long and will have a 300-foot vertical lift span to permit steamships and other craft to go through. A special hearing on the proposition is to be held by engineers of the United States War Department on December 2 and little doubt is felt that the enterprise will be approved by them. The New Orleans Public Belt Railroad organization, which is a municipal body of the city government, will, it is stated, do the construction work. F. H. Joubert is general manager and A. F. Barclay engineer.

State Road Number 5 Association Formed.

Tallahassee, Fla.—Sponsored by the Tamiami Trail Association, organization has been effected here of State Road No. 5 Association, with Barron G. Collier of Everglade, Fla., president; D. M. Lowry, Tallahassee, executive vice-president; J. A. MacKintosh, Tallahassee, secretary, and J. H. Scales, Perry, Fla., treasurer. It is the purpose of the association to work with the Tamiami Trail Association to secure legislative action for the extension of road No. 5 from Fort Myers to Miami, and from a point in Levy or Citrus county to Pensacola.

At a later meeting of the Tamiami Trail Association and State Road No. 5 Association, it is planned to merge into the Gulf Coast Highway Association.

New Type of Road Sought.

The Highway Research Board of the National Research Council, at its fourth annual meeting to be held in Washington, December 4 and 5, will emphasize the need of a new type of road that will provide a good surface for secondary traffic, yet low in first cost and maintenance.

The secondary and local roads of the country have a far greater mileage than the main traffic lines, yet relative to very large mileage little progress has been made along the lines of improving this type of construction. Because of the small amount of traffic on the local roads, surfaces such as concrete, asphalt and brick are not possible, due to the great cost of building the hard surfaced types.

Many communities do not have available deposits of natural road-building materials, and consequently the construction of secondary roads has not kept pace with the demand for a serviceable road that will provide a good surface to traffic every day in the year. A large number of states have constructed these local roads of broken stone, gravel, or of selected soil such as sand-clay or top-soil. It has been definitely proven, says the Board, that when a gravel or selected-soil road carries more than 500 vehicles a day, this type of road surfacing is unsatisfactory. The surface becomes rough and corrugated and it requires much work on the part of the maintenance forces to put it in good shape.

Several state highway commissions have been experimenting with various materials to determine a method of constructing a road that will cost even less than for a gravel road, yet more satisfactory. In one state the so-called "veneer" type of road has been built and it shows great promise. This type is built by placing three inches of 2 to 2½-inch stone directly upon the shaped road surface and rolling it into the soil so that the stone is properly keyed to the subgrade; then a light coating of asphaltic road oil is poured onto the stone, and this is followed by placing smaller stone on the surface to prevent the passing cars from "picking up" the asphalt. These smaller stones also wedge into the larger ones underneath, forming a hard, dense layer. Other types of construction, such as the sand-asphalt and marl-asphalt, are being tried, both of these types utilizing local material incorporated, with small amounts of asphalt to serve as a binding material.

The Highway Research Board is calling attention to the fact that while all present research work should continue, a low-cost, serviceable road is needed so that the local farm roads may be brought into conformity with the increasing demand of traffic. Some method of stabilizing ordinary earth, particularly in wet weather, is needed to answer this problem. Low cost of construction is demanded, together with a low maintenance cost. Hard-surfaced roads have a high first cost with a low maintenance charge; gravel and selected soil roads have a low construction cost but a high maintenance cost. What road surface has a low first cost, low maintenance cost and will carry fairly heavy traffic?

Lake-to-Florida Highway Association Incorporated.

Charlotte, N. C.—Papers of incorporation have been issued by the Secretary of State to the Lakes-to-Florida Highway Association, Inc., with its main offices in this city. The association is without capital stock and has been incorporated to promote a highway from the Great Lakes to Florida. Incorporators include Bernard McClaugherty, Bluefield, W. Va.; J. P. Carrico, Galax, Va.; W. D. Tompkins, Hillsville, Va.; E. A. Terrell, Charlotte; Woodrow McKay, Lexington, N. C., and others.

LUMBER SHOWS STRENGTH.

Reports from Producing Units Indicate Somewhat Better General Conditions.

Washington, November 20.—Reports showing the trend of the lumber movement of the country for the week ending November 15 received by the National Lumber Manufacturers' Association from 358 of the larger commercial sawmills of the country, as compared with revised reports from 359 mills of the preceding week indicate that while there was a continued decrease in production, there was a substantial increase in new business, and a small decrease in shipments. Production decreased 5,044,539 feet, shipments 2,885,104 feet, while new business increased 5,737,222 feet.

The unfilled orders of 244 Southern Pine and West Coast mills were 561,512,581 feet, as against 539,913,612 feet for 244 mills the week before. Separately, the Southern Pine group, 128 mills, reported unfilled orders as 243,631,675 feet compared with 234,968,475 feet for the same number of mills the previous week; 116 West Coast mills had unfilled orders amounting to 317,880,906 feet, as against 304,945,137 feet for 116 mills a week earlier.

Altogether the 358 comparably reporting mills had production of 95 per cent and shipments 110 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 110 and 123, and for the West Coast mills 77 and 91.

Of the comparably reporting mills, 337 (having a normal production for the week of 209,725,472 feet) reported production 98 per cent or normal, shipments 89 per cent and orders 103 per cent thereof.

The following table compares the national lumber movement as reflected by the reporting mills of seven regional associations for the three weeks indicated:

Mills	Past Week	Corresponding Week 1923		Preceding Week 1924 (Revised)
		358	389	
Production	209,502,362	243,478,756	214,546,901	
Shipments	198,593,845	226,644,500	201,478,949	
Orders	230,860,902	213,483,464	225,123,680	

The following figures compare the lumber movement for the first forty-six weeks of 1924 with the same period of 1923:

	Production	Shipments	Orders
1924	10,806,141,432	10,695,575,622	10,422,430,105
1923	11,329,467,940	11,233,948,532	10,648,943,108
1924 Decrease	523,326,508	538,372,910	226,513,003

Thirteen mills of the California White and Sugar Pine Association reported a cut of 10,818,000 feet last week, shipments 11,014,000 feet and orders 9,565,000 feet. The reported cut represents 34 per cent of the total of the California Pine region.

The West Coast Lumbermen's Association wires from Seattle that new business for the 116 mills reporting for the week ending November 15 was 9 per cent below production and 15 per cent above shipments.

The Southern Pine Association reports from New Orleans that for the 128 mills reporting for the week, shipments were 10.36 per cent above production, current orders 22.52 per cent above production and 11.02 per cent above shipments. Of the 77 mills reporting running time, 63 were on full time, 3 were shut down and the rest operated from one to five days.

The Western Pine Manufacturers' Association of Portland, Ore., reports a small decrease in production, a good increase in shipments and a marked gain in new business last week over the previous week.

The California Redwood Association of San Francisco reports small gains in all three factors last week, compared with the previous week.

The North Carolina Pine Association of Norfolk, Va., reports noticeable increases in production and new business and a fair gain in shipments for last week compared with a week earlier.

The Northern Hemlock and Hardwood Manufacturers' Association of Oshkosh, Wis. (in its softwood production), reports production practically the same last week compared with the week before, a marked increase in shipments and a good gain in new business.

The Northern Pine Manufacturers' Association of Minneapolis reports a decided drop in production, a small decrease in shipments and a marked increase in new business for last week compared with the preceding week.

LUMBER MOVEMENT FOR FORTY-SIX WEEKS, AND FOR THE WEEK ENDING NOVEMBER 15.

	Production		Shipments		Orders	
	1924	1923	1924	1923	1924	1923
Southern Pine Association:						
Total	3,605,234,040	3,557,232,721	3,631,177,725	3,610,288,870	3,574,427,252	3,402,793,698
Week (128 mills)	71,236,367	76,204,300	78,614,375	71,981,709	87,277,575	62,918,586
West Coast Lumbermen's Association:						
Total	4,298,885,246	4,675,771,237	4,404,523,615	4,819,032,399	4,284,390,591	4,682,530,147
Week (116 mills)	92,759,286	112,273,511	71,687,206	101,926,366	84,550,963	106,030,134
Western Pine Manufacturers' Ass'n:						
Total	1,452,979,000	1,542,874,000	1,351,665,000	1,330,556,000	1,332,085,000	1,248,741,000
Week (34 mills)	23,953,000	30,027,000	21,542,000	22,108,000	28,125,000	22,400,000
California Redwood Association:						
Total	391,212,000	439,123,000	312,236,000	415,941,000	312,711,000	404,010,000
Week (15 mills)	8,477,000	10,329,000	5,935,000	7,945,000	7,197,000	5,001,000
North Carolina Pine Association:						
Total	346,799,346	403,058,682	351,309,482	415,303,763	315,267,262	330,670,363
Week (44 mills)	9,286,709	9,055,945	9,193,264	10,234,425	8,571,364	5,197,744
Northern Hemlock and Hardwood:						
(Softwood) total	129,419,000	115,225,000	108,865,000	114,774,000	84,231,000	98,518,000
Week (14 mills)	1,158,000	1,302,000	2,025,000	1,504,000	2,890,000	1,345,000
Northern Pine Manufacturers Ass'n:						
Total	412,803,800	475,616,300	395,024,800	374,173,500	389,881,000	351,208,900
Week (7 mills)	1,024,000	3,100,000	7,002,000	7,765,000	9,681,000	6,309,000
General total for 46 weeks:						
(Softwood)	10,637,332,432	11,208,900,940	10,554,801,622	11,089,069,532	10,292,993,105	10,518,472,108
Northern Hemlock and Hardwood:						
(Hardwood) (46 weeks)	168,809,000	120,567,000	140,774,000	144,879,000	129,437,000	130,471,000
California White and Sugar Pine:						
Total	1,046,321,000*	.....	760,670,000	.....	9,565,000	.....
Week (13 mills)	10,818,000	.....	11,014,000	.....	.....	.....
General total for week:						
.....	209,502,362	243,478,756	198,593,845	226,644,500	230,860,902	213,483,464

*Revised figures for 46 weeks; not included in general totals. Represents about 69 per cent of cut of region.

Paving Brick Production Mounts in October.

Paving brick production for the month of October shows an increase over September of close to half a million brick, according to the monthly statistical report submitted to the United States Department of Commerce by the National Paving Brick Manufacturers' Association.

Shipments for October were 29,142,000, as against 31,563,000 for September. This was a smaller falling off than would naturally be expected at this time of the year when the seasonal nature of pavement construction is taken into consideration.

Unfilled orders for October were 59,496,000, as against 74,089,000 for the last day of September. Stock on hand the last day of October was 73,604,000, showing a reduction of stock in the last month of more than 13,000,000 brick. The foregoing figures cover reports of 20 companies representing 59 per cent of the tonnage capacity of the industry.

Endorse Forest Utilization Program.

Washington, November 21.—At the quarterly meeting of the directors of the National Lumber Manufacturers' Association held here today, following the National Conference on Utilization of Forest Products, the full adhesion of the Association was given to the program of permanent organization and endeavor determined upon by the conference. It was announced that the program of securing the general adoption in practice of American lumber standards was being vigorously prosecuted. Frank G. Wisner, Laurel, Miss., president of the Association, presided.

Commendations, Kicks and Comments

Thank You.

REEVES-MARSHALL GROCERY CO., INC., McNABB M. REEVES, Eufaula, Ala.—I am passing you my check for \$10.00, for which kindly move up my subscription period one year from the expiration of my present current period.

Your publication is heartily appreciated; your position on prohibition, the tariff and many other outstanding national subjects could well be studied and adopted by every true American Christian citizen. May your success be fully that that you deserve!

A La Follette Follower Who Thinks We Are Allied With "Hanus Money Trust."

SAMUEL KIDDER

Monticello, Fla., Nov. 6.

Editor Manufacturers Record.

Replying to yur letters of the 15th and the 29th of October, soliciting my advertizing, I very much regret to say that I cannot giv it to U conscientiusly bekawz I find to my astonishment and dismay that U are allied with the hanus Money Trust and that U hav attakt and malined and mis-represented shamefully, the only Presidential candidate that is NOT controld by the despicable Money Trust which ruind the south and is now pauperizing the whole Nation and is the nemesis of the civilization of the U. S. A.

After having read the good record of yur able editor d'ring the 1920 crime of the Satanic Money Trust, I was amazed to read yur recent attack upon the peoples' best and truest and life-long frenz, Senator La Follette. I cannot understand yur absolute inconsistency except that U are being now led by the golden halter of the infamus Money Trust. U are oppsod to the European loans, for instance, which is right. Wel, so is La Follette and yet U oppose him while that ishu now constitutes the most dedly peril to our Nation.

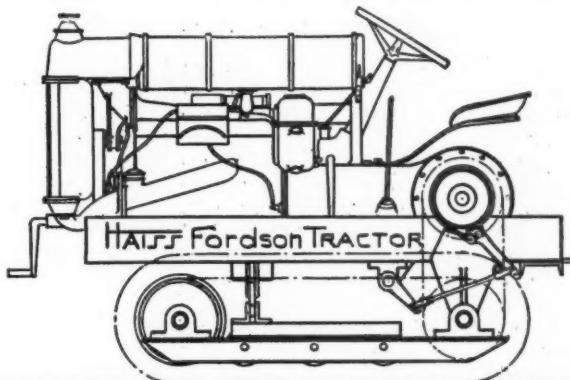
Knoing as U do that the financial life-blood of our Nation is now being drainid by the impious Money Trust off into Europe, and that Europe is backing and assisting Japan to declare war upon us just as soon as possible to drain off our money and to complete Japan's air craft armament program, HOW can U CONSISTENTLY and in the fear of the Lord, OPPOSE the election of the ONLY Presidential candidate who is the PEOPLES' choice and NOT the pliable tool of the iniquitous Money Trust which now seeks to bring on another war for its still further gigantic, titanic and Satanic aggrandizment?

SAMUEL KIDDER.

MECHANICAL

A New and Improved Tractor.

A new machine which is assured of a general welcome by everyone who has to use power for hauling is the Haiss Fordson Tractor that is illustrated herewith. It has been brought out by the George Haiss Manufacturing Co., Inc., of New York City, and it is a strong powerful unit for its size and thoroughly efficient. In its construction a Fordson tractor is stripped of its wheels and in their places are installed the linked treads which are continuous and give, it is stated, better ability to proceed over uneven ground and to pull



SIDE ELEVATION OF THE NEW TRACTOR.

greater loads. It has 15-horsepower drawbar pull and there are three speeds forward, viz: .8 mile per hour; 1.47 mile per hour; and 3.63 miles per hour. Reverse speed is 1.41 mile per hour. The drawbar is 1 foot, 9 inches above the ground.

This improved tractor is eight feet long and six feet wide over all and it is 4 feet, 10 inches high. Length of track ground is 4 feet 6 inches, ground clearance 12 inches and tread of track 5 feet 10 inches. The weight of the machine is about 4000 pounds, and it is steered by brakes adjacent to sprockets on the jack shaft and differential, which is enclosed. This action slows down or stops either creeper and permits the opposite track to carry the machine around. Three truck rollers are on each side, these being of cast steel, extra heavy, bushed and having a large cord cavity filled with grease, which lubrication will last a year.

The track is of Haiss exclusive design, each track containing thirty-one special electric steel shoes which are annealed to insure maximum life. The track links have heavy double rail, cast integral with truck shoe. Height of rail is 3 7/8 inches, width 1 inch, track link 10 inches wide with flat ground contact surface. Track links overlap to form continuous ground contact. Open sides of track links enable drive sprocket wedge-shaped teeth to quickly eject any accumulation of mud, sand, snow or other obstructive matter. Track pins are of chrome nickel steel.

This tractor is built of 7-inch channels connected by three cross braces, and it is so designed that it is shipped as a unit. To install a Fordson tractor it is only necessary to remove the front axle and the two rear wheels and place the tractor on the channel frame, which can be done by two men in about two hours. Provision is made to steer the machine by the steering wheel of the Fordson.

Commissioners of Clarke county, Georgia, have sold a bond issue of \$250,000 to the National City Co. of New York, \$200,000 of the proceeds to be used for the purchase of the General Hospital at Athens, Ga., and \$50,000 to erect a hospital for consumptives.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

Bridges, Culverts and Viaducts

Ala., Leesburg—State Highway Dept., Montgomery, let contract to John Monaghan, Pelham, Ga., at \$62,681 for substructure and approaches to Leesburg Bridge over Coosa River on Gadsden-Center Highway, Cherokee County.*

Ala., Mobile—City plans building bridge across Mobile River, and causeway leading into Baldwin County; J. F. Coleman, Cons'l. Engr., 813 Hibernia Bldg., New Orleans, La.*

Ark., Alma—State Highway Dept., Little Rock, has plans for 140-ft. steel bridge, probably concrete piers, estimated cost \$30,900; W. W. Mitchell, Dist. State Engr., Fort Smith; R. C. Limerick, Engr. State Highway Dept.

D. C. Washington—Dist. Commrs. let contract to L. B. Davidson, Bond Bldg., Washington, for concrete culvert across ravine, between Macomb St. and Norton Place; D. E. McComb, Engr. of Bridges.

Fla., Bradenton—City plans building 3 bridges; will vote Dec. 19 on \$20,000 bonds; Whitney Curry, Mayor.

Fla., Sarasota—Sarasota County will receive bids Dec. 1 to furnish labor, materials and equipment to improve Siesta Bridge steel draw span, and wooden railing; plans, etc., from Charles G. Benson, County Engr.

La., Amite—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, let contract to Austin Bridge Co., 1813 Clarence St., Dallas, Tex., at \$107,235, for Pass Manchac Draw Bridge on Hammond-New Orleans Highway.*

La., New Orleans—Pontchartrain Causeway Assn., Inc., Liverpool and London and Globe Bldg., organized with Wm. Pfaff, Pres.; interested in building bridge across Lake Ponchartrain.

Md., Silver Spring—Baltimore & Ohio R. R. Co., H. A. Lane, Ch. Engr., Baltimore, let contract to American Bridge Co., 71 Broadway, New York, for fabrication of steel work for superstructure of grade crossing elimination bridge, approximately 420,000 lbs. steel, three spans of deck plate girders, supporting 2 railroad tracks and 2 sidewalks, total length 87 ft.

Miss., Bay St. Louis—Hancock and Harrison Counties Commrs. interested in building bridge across Bay St. Louis to connect counties on old Spanish Trail.

Miss., Gulfport—Harrison and Jackson Counties Commrs. interested in building bridge across Bay of Biloxi connecting counties.

Miss., Macon—Noxubee County Board of Supervs. will receive bids Dec. 6 to construct 5 bridges: Wooden bridge on Macon and Cooksville road, over ditch east of McHenry's; make backfill at Hashqua Bridge on Mashulaville and Fearn Springs road; repair iron bridge on Macon and Louisville road west of M. & O. R. R.; repair bridge

over slough on Brooksville and Louisville road west of river bridge; repair wooden bridge east of river on Brooksville and Louisville road; plans, etc., from John A. Tyson, Clk. of Board.

Miss., Moss Point—Jackson County Commrs., Pascagoula, plan building causeway over Escatawpa River, 1½ ft. above present road bed.

Miss., Natchez—Chamber of Commerce, Ben Stocker, Pres., interested in building bridge across Mississippi River.

Miss., Natchez—Adams County Board of Supervs., will receive bids to build creosote pile bridge on Woodville Road at Buck Bottom, near Beverly Store; plans, etc., from W. H. Hale, Clk.

Mo., Cassville—Barry County Court plans building bridge over White River; voted \$100,000 bonds.*

Mo., Nevada—Vernon County Court let contract to Concrete & Steel Construction Co., 214-23 W. Third St., Joplin, Mo., for steel bridge across Marmaton River, east of Horton.*

N. C., Danbury—Stokes County Highway Comm., let contracts to J. R. Brinkley, Thomasville, N. C., and R. R. King, Danbury, at \$19,343 for reinforced concrete steel and reinforced concrete structures over small streams.*

N. C., Wilson—City, Engr. Gladding, will receive bids soon for 5 concrete bridges over Hominy Swamp, including sidewalks and street widths for two, and wooden floors on three; estimated cost \$89,000.

Okla., Tolaga—Details under Road and Street Construction.

S. C., Florence—Allison's Ferry Bridge Board, Florence, will receive bids December 10 for bridge and approaches across Great Pee Dee River, between Florence and Marion Counties, 1335 lin. ft. treated timber bridge, 25,000 cu. yd. earth fill, one 250-ft. steel span; plans, etc., from Johnson & Roberts, Engrs., Marion, S. C.

S. C., Lexington—State Highway Dept., Columbia, let contract to Latimer & Peake, Batesburg, at \$14,167, for bridge over Chinquapin Creek on State Highway No. 30, between Lexington and Aiken Counties.*

Tex., Beaumont—McDaniel & Hartford, Beaumont, was awarded contract for approaches and other concrete work on Marietta viaduct.

Tex., Eagle Pass—Eagle Pass & Piedras Negras Bridge Co. propose to erect 2000-ft. steel and concrete bridge across Rio Grande River, connecting Eagle Pass with Piedras Negras, Mexico; O. C. Meyer, Pres.

Tex., Fort Worth—Texas-Louisiana Sabine Bridge Comm., organized with W. E. Lea, former Mayor of Orange, Chmn.; plans constructing bridge over Sabine River at Orange.

Tex., San Antonio—City plans building

concrete bridge across San Pedro Creek on Travis St.; replace wooden structure; Paul Steffler, Commr. of Streets.

Va., Portsmouth—Chamber of Commerce approved plans to erect bridge over Nansemond River to connect Portsmouth with Currituck and Smithfield.

Canning and Packing Plants

Tenn., Kingsport—S. E. Ellis and Arthur Frankbarger both of Marshall, P. O. Churchill, interested in construction of canning plant.

Tenn., Selmer—B. A. Craddock of Humboldt reported interested in canning plant.

Clayworking Plants

Mo., Kansas City—Western Brick and Clay Products Co., incorporated by R. W. Vail, 1316 E. 29th St., O. E. Morrison and others.

Coal Mines and Coke Ovens

Alabama—Shareholders of The Alabama Co., Birmingham, Ala., meeting at Baltimore, last week, approved sale of properties to the Sloss-Sheffield Steel & Iron Co., Birmingham, Ala.

Ky., Greenville—Curd Coal Co., incorporated by W. M. Martin, C. S. Curd and E. A. Taylor.

Ky., Krypton—Daisy Coal Co., capital \$10,000, incorporated by Wm. Scott, Edgar Harris and others.

S. C., Columbia—Peoples Coal Co., incorporated with A. W. Green, Pres.-Treas., J. H. Campbell, V. P.

Tenn., Knoxville—Gilbert Coal Co., capital \$10,000, incorporated by T. J. Gilbert, R. C. Gray, J. Arthur Atchley, 205 E. Scott Ave.

Tex., Eagle Pass—Texas Coal & Mining Co., capital \$50,000, incorporated by C. W. Settle, R. E. Doty and T. J. Evers.

W. Va., Charleston—Supreme Block Coal Co., capital \$50,000, incorporated by B. E. Marks, M. W. Grossman, 412 State St., Joseph Barns.

Cotton Compress and Gins

Okl., Utica—Utica Gin Co., capital \$20,000, incorporated by J. S. Turner, C. J. Mueller, both Durant; J. E. McCalib, Utica.

Concrete and Cement Plants

La., New Orleans—Lindley C. Morton, Pres., Phoenix Portland Cement Co., Jefferson County Bank Bldg., Birmingham, Ala., advises: "Company has acquired 15 acres tract of land on the Industrial Canal at turning basin and completed plans for the construction of plant for the manufacture of Portland cement and lime; first unit to be erected will have daily capacity of 2500 bbls. of cement and 1000 bbls. lime; initial invest-

ment of first unit will be approximately \$2,000,000; fireproof construction, as all buildings will be of reinforced concrete and steel; operation will be dustless; construction to be done by own organization under supervision of R. J. Hawn, Chf. Engr., plan to begin operations September, 1925; have contracted with State for exclusive right of oyster and clam shell reefs in the water ways adjacent to New Orleans, using shells in the manufacture of cement; temporary construction offices will be established at plant site; E. P. Haubert, Sec. and Purchasing Agt.*

Tex., San Antonio—San Antonio Portland Cement Co., Lakeview Ave., let contract to R. C. Stone Engineering Co., Merchants Exchange Bldg., St. Louis, Mo., at \$83,916 for ten reinforced concrete slurry tanks for plant at Cementville; W. E. Simpson Co., Engr., National Bank of Commerce Bldg.*

Drainage and Irrigation

Fla., Tampa—Interbay Drainage Dist. Suprs., 32 Giddens Bldg., let contracts to E. W. Parker, Stovall-Nelson Bldg., for work in northern part of district to Cone Brothers Transfer Co., Caesar and Walton Sts., for work in southern territory; 13,016 acres in district practically embraces all of the section between Hillsborough and Old Tampa Bay; estimated total cost \$700,000; McElroy Engineering Co., Engr., 32 Giddens Bldg.*

Fla., Tampa—Ideal Farms Drainage Dist., M. D. Pooler, Sec., 32 Giddens Bldg., will receive bids Dec. 17 for drainage work; McElroy Engineering Co., Chief Engr., 32 Giddens Bldg., Tampa.* (See Machinery Wanted—Drainage.)

La., Lake Charles—Morgan Brothers of Crowley, La., has acquired the Dr. A. J. Perkins canal and plantation, including machinery, equipment and 1200 acres land; contemplate installing two crude oil burning engines, repairing system for irrigations of approximately 3500 acres rice lands.

Tex., Austin—State Board of Water Engrs., John A. Norris, Chrmn., will soon make surveys for irrigation project on the Pecos river near border line, irrigating about 200,000 acres land.

Tex., Crystal City—Zavella County voted \$260,000 bonds for construction of irrigation dam across Nueces river, reclaiming about 10,000 acres land; dam to be 150-ft. long, 50-ft. high and 40-ft. wide at bottom, Terrell Bartlett, Engr., Calcasieu Bldg., San Antonio; I. Wagner in charge of construction work.*

Electric Light and Power Plants

Ala., Ensley—Details under Land Development.

Ark., Harrison—Inter-County Power & Light Co., subsidiary of Albert Emanuel Co., 61 Broadway, New York, is installing steam turbine and generator; will supply current from plant to other towns.

Ark., Pine Bluff—Interests affiliated with Chase National Bank; Ford, Bacon & Davis, and John Nickerson, Jr., reported to have acquired additional interests in Arkansas Light & Power Co., Mississippi Power and Light Co. and Louisiana Power Co., H. C. Couch, Pres., 401 Hardin St.*

Fla., Frostproof—Details under Water Works.

Fla., Miami—R. W. Edholm has contract for erection of 3 sub-stations, at Coconut Grove, Buena Vista, and Little River; structural steel, and Spanish stucco; mechanically operated; cost \$45,000; Scofield Engineering Co., Designer.

Fla., Miami—J. W. Bullock, 13 N. E. Second Ave., of Nelson, Bullock & Nelson, interested in installation of white way on W. Flagler St. and Tamiami Trail.

Fla., Orange City—Details under Land Development.

Fla., Palatka—City contemplates installing white system. Address The Mayor.

La., Shreveport—Southwestern Gas and Electric Co., 116 Texas St., main office 1615 Harris Trust Bldg., Chicago, Ill., reported to construct electrical generating plant on 40 acre site; first unit of 10,000 kw.

Miss., Starkville—City votes Dec. 1 on sale of electric light plant to Mississippi Power Co., Jackson.

Mo., Hornersville—Public Service Co. of Missouri, St. Louis, reported to have been granted 20 year franchise.

Mo., Kansas City—Missouri Hydro-Electric Power Co., incorporated by Walter Cravens and R. W. Street, both Land Bank Bldg., and others.

N. C., Asheville—Piedmont Electric Co., Electrical Bldg., advises they have received order from Boiling Springs, Mooresboro and Ellenboro, for all material and equipment for lighting system. (Supersedes previous items.)*

Okla., Lawton—Southwestern Light and Power Co., Earl R. Ernesberger, Pres., reported to expend \$200,000 in additional equipment to central generating plant.

S. C., Denmark—Edisto Public Service Co., capital \$300,000, incorporated with M. C. Easterling, Pres.; R. A. Easterling, Sec.

S. C., Saluda—Saluda Public Service Corp., Eugene W. Able, Pres., will construct a 33,000 volt transmission line from Batesburg to Saluda, distance of 15 miles; invites proposals on necessary line material from poles to wire and transformer station at Saluda. (See Machinery Wanted—Electric Transmission Line Equipment; Transformers.)

Tex., Mercedes—Valley Electric & Ice Co., is rewiring city, erect new poles, etc.

Tex., Raymondville—Valley Electric and Ice Co. reported to have acquired plant and equipment of Raymondville Light, Water, Power & Ice Co.; has acquired site and will erect brick storage plant.

W. Va., War—Details under Water Works.

Flour, Feed and Meal Mills

Tex., Galveston—J. Perry Burris, Interurban Bldg., of Dallas, and Frank Kell of Wichita Falls, reported to have acquired Texas Star Flour Mills.

Tex., Shamrock—Cotton By-Products Feed & Milling Co., capital \$10,000, incorporated by H. D. Craig, Joseph Mideke, Jr. and others.

Va., Orange—A. Stuart Robertson, H. C. Warren and others acquired Orange Milling Co.'s plant.

Foundry and Machine Plants

Okla., Oklahoma City—Hughes Tool Co., 300 Hughes St., Wm. L. Kul dell, Mgr., Houston, Tex., will erect plant for the manufacture of oil well tools; has acquired site at Twentieth St. and Santa Fe tracks; construction to begin soon; present headquarters for office located at Tulsa to be moved to Oklahoma City when plant is completed.

S. C., Manning—Torrid Stove Co., capital \$10,000, incorporated with J. E. Neams, Pres.,

A. I. Barron, Jr., Sec.-Gen. Mgr.; to manufacture stoves for the curing of tobacco and sweet potatoes.

Gas and Oil Enterprises

Ala., Birmingham—Birmingham Electric Co., J. S. Pevear, Pres., reported to construct during 1925 a 5,000,000 cu. ft. gas holder; cost \$425,000.

Ark., Camden—Ouachita River Oil Co., capital \$1,000,000, incorporated by G. R. Haynie, T. J. Guahan, both of Camden, S. M. Jones, Laurel, Miss.

Fla., Bradenton—Details under Water Works.

Fla., West Palm Beach—Palm Beach Gas Co., R. B. Wagner, Gen. Mgr. will extend 3-in. gas mains to Northwood.

Md., Cumberland—City Council granted 35 year franchise to West Virginia and Maryland Natural Gas Co., 312 Fidelity Bldg., Buffalo, N. Y., to furnish city with natural, artificial and mixed gas.*

N. C., Wilson—Details under Road and Street Construction.

Okla., Sapulpa—Mutual Oil Co., reported to expend \$20,000 in improvements to refinery.

Okla., Tulsa—Orlando Oil Corp., capital \$10,000, incorporated by George H. Lowe, 722 S. Denver St., Jean P. Day, Eben L. Taylor.

Okla., Tulsa—Howard Petroleum Corp., capital \$500,000, incorporated by O. R. Howard, 407 Kennedy Bldg., Ivan W. Howard, both Tulsa; S. B. Howard, Oklahoma City.

Tenn., Knoxville—Indian Refining Co., Oak St. Bridge, will erect 10x12-ft. pump house, loading rack, elevating storage tanks, fill in yards replacing burned tank and equipment, five 10-ft. 6-in x 32 ft. and two 10x20 ft.; L. J. Slattery, Indian Refining Co., Lawrenceville, Ill., Engr.; construction by company's force.*

Tex., Austin—Clear Fork Oil Co., capital \$12,000, incorporated by D. G. Hewlett, J. B. Jarmon, 2819 Rio Grande St., and others.

Tex., Eastland—Leon Oil Co., capital \$10,000, incorporated by Joe Burkett, Roy Nunally, L. D. Hillyer.

Tex., Wichita Falls—Wichita Refining Co., capital \$25,000, incorporated by B. D. Dawson, J. E. Parker, E. F. Griswold.

W. Va., Charleston—Myers Oil & Gas Co., capital \$200,000, incorporated by J. H. Lulkart, D. E. Shilds, J. C. Myers.

W. Va., French Creek—French Creek Oil & Gas Co., capital \$40,000, incorporated by J. W. Cork, Clarksburg; C. C. Floyd, Clarksburg, R. F. D. No. 1, and others.

Ice and Cold-Storage Plants

Fla., Hialeah—Details under Miscellaneous Enterprises.

Fla., Little River—B. K. Brown and Wm. Barry of Milton, Fla., reported to have acquired site, will erect 30 ton capacity ice factory; also manufacture of ice cream.

Md., Gaithersburg—Charles Myers, Washington Grove, Md., let contract to Allnutt & Sylvester, Gaithersburg, at \$100,000 for 1 and 5-story building for ice manufacture, cold storage, engine and boiler house; 50x200-ft., reinforced concrete.

Tenn., Chattanooga—The Home Ice Co., Will Cotter, Pres., Eleventh and Douglas Sts., will erect new plant at Rossville Blvd. and Central Ave.; 1-story, brick and concrete; machinery all purchased; total cost of first unit will be \$100,000 to \$125,000.

Tex., Brownsville—Peoples Ice & Manufacturing Co., increased capital from \$125,000 to \$250,000.

Tex., Fort Worth—Texas Ice & Refrigerating Co., Ninth and Jones St., will erect \$30,000 ice plant.

Tex., Hamilton—J. D. Gandy, contemplates building cold storage plant and make improvements to present ice plant; estimated cost \$12,000.

Iron and Steel Plants

Alabama — Shareholders of The Alabama Co., Birmingham, Ala., meeting at Baltimore last week, approved sale of properties to the Sloss-Sheffield Steel & Iron Co., Birmingham, Ala.

Ala., Bessemer—Woodward Iron Co., Woodward, Frank H. Crockard, Pres., reported as planning to build 38 new coke ovens at No. 2 Battery, proposed construction will probably call for new coal bin between Nos. 1 and 2 battery; Company wires: "Do not contemplate building new coke ovens at this time."

Land Development

Ala., Birmingham—Parrish & Byrd Realtors, Inc., chartered with Howard L. Parrish, Pres.; Charles R. Byrd, Sec.

Ala., Birmingham—E. L. Brown & Co., incorporated with E. L. Brown, Pres., Brown-Marx Bldg., W. B. Perry, Secretary.

Ala., Ensley—Lindsey & Ziegler, are developing 40 acres of land on Eighth Ave. Rd. for subdivision; have let contracts for paved streets, water, sewers, lights, etc.

Ala., Florence—Sheffield Development Co. let contract to Kirkpatrick & Hitchcock, Florence, for constructing sanitary sewers in River Bluff sub-division.

Fla., Avon Park—City votes Dec. 12 on \$55,000 bonds for park, \$10,000 for athletic field, etc.; G. L. Crews, Clk.*

Fla., Avon Park—Park Ridge Development Co., capital \$100,000, incorporated with W. A. Hatchell, Pres.; P. M. Stivender, Sec.

Fla., Bradenton—Tidewater Land Co., capital \$25,000, incorporated with H. C. Van Sweringen, Pres.; G. P. Smythe, Sec.

Fla., Bradenton—Manatee Land Sales Co., capital \$10,000, incorporated with A. H. Mayo, Pres.; E. R. Cobb, Jr., Sec.

Fla., Brooksville—Weekiwachee Development Co., capital \$35,000, incorporated with E. H. Hammond, Pres.; V. V. Coogler, Sec.

Fla., Dunedin—T. B. Skinner, Inc., is developing 40 acres of land for residential site; will install city paving, sewers, sidewalks.*

Fla., Miami—U. L. di Ghilini, 103 N. E. First St., Mgr., of Navarro Realty Co., acquired 15 acre tract of land and will develop.

Fla., Everglades—Tamiami Trail Farms, capital \$10,000, incorporated with F. H. Melior, Pres.; Claude Ogilvie, Sec.

Fla., Fort Myers—W. M. Fielder and associates have acquired 1000 acres tract of land and will develop for subdivision.

Fla., Jacksonville—Reliance Development Co., capital \$50,000, incorporated with E. L. Phillips, Pres., 2324 Laura St.; G. A. Stephens, Sec.

Fla., Jacksonville—Sewell & Newton, Dyall-Upchurch Bldg., acquired 32 acres of land and will develop for sub-division.

Fla., Lakeland—Auburndale Development Co., capital \$20,000, incorporated with C. W. Deen, Pres.; T. H. McRorie, Sec.

Fla., Miami—Commonwealth Land Co., capital \$100,000, incorporated with E. A. Frantz, Pres.; Caesar Heyndrick, Sec.

Fla., Miami—The Ravin Corp., R.R.A. Miami developing High Pines for subdivision, for which the W. J. Serpas Organization, Inc., 220 S. State St., Chicago, Ill., are selling Agts.; improvement details noted November 13.*

Fla., Miami—Flatbush Realty Corp., capita! \$15,000, incorporated with Saul Leibert, Pres.; Louis Druckeman, Sec.

Fla., Miami—Beacon Miami Corp., capital \$40,000, incorporated with Louis Goodman, Pres.; A. M. Averett, Sec.

Fla., Miami—Louisville-Florida Co., capital \$127,000, incorporated with Sarah Rosenhouse, Pres.; Nan Gautier, Sec.

Fla., Miami—Manhattan Realty Corp., capital \$100,000, incorporated with Simon Lesser, Pres.; J. E. T. Hunter, Sec.

Fla., Miami—Cubahama Beach Development Co. has acquired tract of land along Boca Chica Bay, with ocean frontage, and will develop for subdivision.

Fla., Miami—Mrs. Jeanette Lindstrom has acquired 200 acres of land on Massachusetts St.

Fla., Miami—John J. Quinn Co., Bedford Bldg., acquired 640 acres of land and will develop; will construct drainage canals and roads.

Fla., Okeechobee—Albert V. Dudley acquired 90 acres of land and will develop.

Fla., Orange City—Neau Realty Co. of New York, Dr. Ben Cauterwitz, is developing Ben-Neau, subdivision, will install city water; electric lights furnished by Florida Public Service Co.; William Fleming, Resident Mgr.

Fla., Orlando—Robinson and Samuel, Empire Hotel, acquired 28 acres of land and will develop for sub-division.

Fla., Orlando—Cheney Development Corp., capital \$500,000, chartered with D. A. Cheney, Pres.; J. Y. Cheney, Sec. 4 Lakeview Ave.

Fla., Sarasota—Clark-Herbert Co., Tampa, interested in development of Siesta Key for subdivision, construct golf course, etc.

Fla., Sarasota—Whitfield Estates, Inc., capital \$250,000, incorporated with L. B. Whitfield, Sr., Pres.; D. G. Haley, Sec.

Fla., St. Petersburg—Jones Blank Co. will develop 704 acres of land on Old Tampa Bay; plans include river boulevard; winding drives; parks, yacht basins, etc.

Fla., St. Petersburg—Beverly Farms, capital \$75,000, incorporated with Earle B. Renwick, Pres.; Norris D. Blake, Sec., 709 Fourth Ave. N.

Fla., St. Petersburg—John Alexander Kelly, 701 Central Ave., is having plans prepared by George Young, Landscape Engr., 213 Summer Bldg., for development of Suwanee Park subdivision; let contract to Coleman Concrete Co. for paving sidewalks.*

Fla., Tampa—United Realty Corp., A. J. Clonick, Pres., 1475 S. State St., Chicago, Ill., will develop 20 acres of land for sub-division; will expend \$50,000 for installation of water works, sewers, electricity, sidewalks, etc.*

Fla., Tampa—Irving A. Wilfore, Georgia & Texas Sts., acquired 80 acre grove in Pasco County.

Fla., Tampa—Rufus B. Wilson, Pres., and Thomas F. Willmore, Sec., of Florida Real Estate Bureau, acquired 104 acre tract on Hillsboro River and will develop for subdivision; Frank Bryson, 309 Franklin St., Selling Agt.

Fla., Tampa—Sulphur Springs Realty Investment Co., capital \$25,000, incorporated with Louis Oblinger, Pres., 316½ Franklin St.; W. H. Wadsworth, Sec.

Fla., Tampa—Curtiss-Bright Properties, G. H. Curtiss, Hialeah, reported to have ac-

quired a 1500 acre tract of land and to expend, \$10,000,000 for development. Wire from G. H. Curtiss states, "Confirm purchase referred to your telegram by the Curtiss-Bright Co.; will supply you with plans and data requested as soon as available, probably thirty days."

Fla., Vero—Henry Langsner of Sarasota has acquired tract of land and will develop for subdivision; will construct streets and sidewalks, etc.

Fla., Vero—Joseph H. Optner of Chicago has acquired 120 acres of land and will develop.

Fla., West Palm Beach—Malcolm Meacham Realty Corp., capital \$300,000, incorporated with H. C. Fisher, Pres.; Ruth Young, Sec.

Fla., West Palm Beach—Golden Gate Development Co., capital \$500,000, incorporated with G. W. Bingham, Pres.; Arthur L. Noble, Sec.

Fla., West Palm Beach—Lauenberg Building & Investment Co., Citizens Bank Bldg., have acquired 10 acres of land on Parker Ave. and will develop.

Fla., Winter Haven—W. P. Yonan has acquired tract of land and will develop for subdivision; will install water, sewers, lights, pave streets and sidewalks, etc.

Fla., Winter Haven—Hundred Lakes Corp., capital \$200,000, incorporated with G. Duncan Bruce, Pres.; Harrison W. Ambrose, Sec.

La., Lake Charles—Landry Real Estate Co., Inc., capital \$30,000, incorporated with R. L. Hale, Pres.; L. R. Green, Sec.

La., New Orleans—North Orleans Realty & Development Co., Inc., capital \$75,000, incorporated with Nat. W. Bond, Pres., 302 Marine Bank Bldg.; E. M. Stafford, Sec., 700 Canal-Comml. Bldg.

Md., Baltimore—The Realty Centre, Inc., 351 Equitable Bldg., capital \$12,000, incorporated by Louis J. Myers, M. Albert Levinson, Sol J. Buckantz.

Md., Baltimore—Property Holding Co., 1410 Fidelity Bldg., incorporated by Clarence A. Tucker, Joseph N. Ulman and Wilbert L. Merriken.

Md., Baltimore—Dr. J. LeRoy Wright, 14 Shirley Ave., has acquired 36 acres of land on Grindon Ave. and will develop for cottage community.

Md., Baltimore—Cro-Lee Realty Co., 711 American Bldg., capital \$50,000, incorporated by Edwin Crouch, Joshua W. Miles, Jr. and others.

Md., Baltimore—Cedar Beach, Inc., 115 N. Chester St., chartered by Geo. L. Schnader, Robert A. Peterson and others.

Md., Baltimore—Polo Land Co., 104 St. Paul St., capital \$50,000, incorporated by W. Wallace Lanahan, James Piper and Francis N. Iglesias.

Md., Georgetown—Knights Island Farm, Inc., capital \$50,000, incorporated by Edward J. Griffith, Charles P. Boyd, Thomas T. Firth.

Mo., Brandsville—Missouri Vineyards Corp., of St. Louis, has acquired 1000-acre tract and will develop.

Mo., Clayton—Hartnett Snead Golf Course Co., capital \$60,000, incorporated by James M. Rohan, 4431 McPherson St., St. Louis; Grover W. Devine, Overland, A. A. 28; J. J. Hartnett, 7606 Henderson Ave.

Mo., Fulton—The Mauchs Realty Co., capital \$50,000, incorporated by J. L. Mauchs, W. C. Mauchs and others.

Mo., Kansas City—Roaring River Sales Co., capital \$15,000, incorporated by H. E. Lunsford, 816 Lathrop Bldg., F. A. Smith and others.

Mo., Kansas City — Automobile Club of

Kansas City acquired 46 acres of land adjoining present golf course and will construct an additional 9-hole course; will construct lake, etc.; James Dalgleish, 6078 Monroe Ave., Golf Archt.; Frank E. Lott, 815 Finance Bldg., interested.

Mo., St. Louis—Lucern Corp., capital \$10,000, incorporated with B. B. Clark, Pres.; F. L. Clark, Sec., 907 S. Boyle St.

Mo., St. Louis—Priesler-Groschan Realty Co., 309 Title Guaranty Bldg., incorporated with Edward H. Priesler, Pres.; F. Carroll Groschan, Sec.

Mo., St. Louis—Nugent Realty Co., incorporated by F. A. Cramer, Harold R. Small, 5415 Maple St. and others.

Mo., St. Louis—Priesler-Groschan Realty Co., incorporated by E. H. Priesler, F. C. Groschan and others.

Mo., St. Louis—Missouri Vineyards Corp., capital \$25,000, incorporated by G. C. Baker, J. F. Perkins and others.

Mo., St. Louis—Olive and Ninth Realty Co., Boatmen's Bank Bldg., increased capital from \$200,000 to \$1,200,000.

N. C., Asheville—Carolina-Florida Realty Co., care Weaver & Patton, lately noted incorporated with \$50,000 capital, has 105 acres and will develop 60 acres for residential sites and clubs; will construct streets and roads, etc.

Okla., Cherokee—City, A. J. Titus, Mayor, and Rotary Club are having plans prepared by Christian Jensen, Landscape Archt. of Stillwater, for development of Cherokee Park; plans include playgrounds, swimming pool, graveled driveways, etc.

S. C., Meggett—Point Pleasant Farms Co., capital \$25,000, incorporated with T. Lane Moore, Pres.; Henry Carlton, Sec.

Tex., Houston—Associated Investors, capital \$14,000, incorporated by D. S. Tuley, M. J. Peterson, John Hammerman, Jr.

Tex., Harlingen—Harlingen Development Co., capital \$100,000, incorporated by S. Finley Ewing, Osco Morris, J. R. Roberts.

Tex., Waco—Dr. C. L. Watson, 1903 Amicable Bldg., and associates have acquired tract of land and will develop.

Va., Norfolk—Gornto Realty Corp., capital \$50,000, incorporated with Herbert L. Smith, Pres.; H. Garnett Smith, Sec., Citizens Bank Bldg.

W. Va., Charleston—Oakland Development Co. increased capital from \$100,000 to \$300,000.

Lumber Enterprises

Ark., McGehee—Peoples Lumber & Supply Co., capital \$20,000, incorporated by G. B. Ewing, J. W. House, Jr., T. H. Johnson.

Fla., St. Marks—Henry-Hays Lumber Co., Inc., Mobile, Ala., has acquired timber tract and are constructing mill and dry kilns, monthly capacity approximately 750,000 ft.; H. H. Henry in charge of operations.

Ga., Savannah—Reynolds Brothers Lumber Co., Albany, Ga., reported as planning to establish \$200,000 plant in Chatham County, to develop timber lands along the Ogeechee river.

La., New Iberia—Timberland, Inc., chartered with F. E. Delahoussaye, Pres.; Wm. G. Weeks, Sec.

La., New Orleans—N. Hennessey Lumber Co., Inc., increased capital to \$51,000.

Missouri—G. W. Smith of the National Lumber Co., 2620 Lucas Ave., St. Louis, reported to have acquired the W. A. Brown lumber mills and timber tract in Ripley County, estimated to contain about 500,000 ft. of pine and 400,000 ft. of oak.

Tenn., Johnson City—McCorkle Lumber Co., M. R. McCorkle, Pres. contemplates building plant, installing band mill and other machinery for the manufacture of dimension stock; will probably move plant from Nora, Va.

Tex., San Antonio—Travis Lumber Co., capital \$50,000, incorporated by H. H. Rogers, City National Bank Bldg., A. R. Thomas and Thurman Barret; will construct lumber yard, corner Pleasanton Rd. and Harding Blvd., including three sheds 160x250 ft.; offices, etc., estimated cost \$35,000.

Mining

Ala., Cragford—Southern Arsenic & Mineral Products Co. of Delaware, office in the Forsyth Bldg., Atlanta, Ga., plans erecting arsenic-producing plant, fully equipped and modern, to develop 1454 acres carrying extensive deposits of arseno-pyrite rock.

Ark., Little Rock—Drew Gravel Co., Southern Trust Bldg., capital \$10,000, incorporated with Harvey Parnell, Pres.; M. E. Sherland, Sec.

Ga., Macon—Morris Stone Co., capital \$50,000, incorporated by C. A. Morris, A. I. Morris, and others.

Ky., Bowling Green—Standard Rock Asphalt Co., capital \$500,000, incorporated by C. C. Boller, M. C. Albenberg and W. E. Haily.

Md., Baltimore—Franklin Road Quarry Co., 342 E. Twentieth St., capital \$10,000, incorporated by Geo. D. Bolton, Celesti W. McLaughlin, and others.

N. C., Franklin—The Texas Mica Corp., capital \$30,000, chartered by E. S. Galloway, of Franklin; Chas. C. Allen, 1423 Kings Highway, and M. R. MacKinnon, both Dallas, Tex.

Okla., Lonegrove—Acme Rock Asphalt Corp., capital \$50,000, incorporated by A. W. Thomas, Lonegrove; F. C. Munn, and W. R. Haight, both St. Louis, Mo.

Tex.—Ambrose Sand & Gravel Co., Denison, Tex., purchased machinery and holdings formerly operated by T. J. Myrphy of Denison; daily output 700 tons washed and screened sand and gravel.*

Miscellaneous Construction

Fla., Miami—Canals—Details under Land Development.

Fla., St. Petersburg—Water front—City Comsnn. has received and tentatively accepted plans for the development of north and south water front; work to be done by the commission and the developers of the Vinoy Park Hotel Corp.; plans by C. E. Lund call for construction of sea-wall, new pier to deep water, solid fill behind wall with the exception of a lagoon with entrance to yacht basin; filled in park will provide athletic field.

Fla., Sebring—Pier—City has accepted plans by A. C. Price, Bradenton, for construction of municipal pier, 600 ft. long, 110-ft. wide, 300 ft. from shore to be of solid concrete retaining wall with dirt fill and remaining 300 ft. being of concrete piling and slabs.

Ky., Stevens—Standpipe—Chicago Bridge & Iron Works, Transportation Bldg., Chicago, Ill., has contract for steel standpipe, 34-ft. diam., 55-ft. high.

La., Algiers, Sta. A, New Orleans—Ferry Terminal—Algiers Public Service, Inc., let contract to Theo. O. Hotard, 235 Lavergne St., Algiers, to furnish piles and construct new ferry house at Morgan St. landing, estimated cost \$30,000.*

La., New Orleans—Bulkheads, etc.—Jahncke Dry Dock Co., Inc., Edward Egan, Supt.

has plans for construction of bulkheads, revetments and fenders along east bank of the new basin canal in connection with new supply yards.

La., New Orleans—Elevators—Port Comrs. let contract to Kaestner & Hecht Co., 1500 N. Branch St., Chicago, Ill., at \$29,930 to furnish, deliver and erect two 20,000 lb. electric elevators at the public cotton warehouse.

La., Opelousas—Dike—City, A. J. Perrault, Mayor, contemplates building dikes along Bayou Courtaleau, proposed structure would extend on the west banks of the Atchafalaya to the Bayou Courtaleau.

Missouri—Levee—Mississippi River Comsnn., St. Louis, Mo., received low and only bid from the McWilliams Dredging Co., McCormick Bldg., Chicago, Ill., and 908 Carondelet Bldg., New Orleans, La., on 695,000 cu. yds. levee work located in Perry County; consists of about 10 mi. levee protecting a large area of land from overflow by water of the Mississippi river; contract price approximately \$130,000.

Mo., Kansas City—Natatorium Construction Co., 50 East Forty-second St., lately noted as having tentative plans to construct natatorium and sports arena. Company advises: "It is rather premature to give information regarding the construction of natatorium at Kansas City, later will give details as requested."

Mo., Kansas City—Elevator—Missouri Pacific R. R., E. A. Hadley, Chf. Engr., St. Louis, Mo., reported to expend \$500,000 on the Kansas Missouri elevator, increasing storage capacity by 500,000 bu., handling capacity from 75 cars daily to 175 cars; elevator operated by Hall-Baker Grain Co.

E. A. Hadley wires: "Nothing definite decided as to Kansas City elevator improvement, no contracts let."

Mo., Kansas City—Elevator—Eagle Elevator Co., reported to increase capacity of elevator 125,000 bu., located on the Missouri Pacific tracks; Henry Lichtig & Co., 405 Board of Trade Bldg., operates property.

Mo., North Kansas City—Elevator—Chicago, Burlington & Quincy R. R. Co., A. W. Newton, Chf. Engr., Burlington Bldg., Chicago, Ill., reported to increase storage capacity of the Murray elevator 1,000,000 bu., present capacity 1,600,000 bu., estimated cost \$400,000; elevator is operated by the Norris Grain Co.

A. W. Newton, advises: "Your wire regarding increased capacity of Murray elevator under consideration, no decision reached as yet."

Okla., Cherokee—Swimming Pool—Details under Land Development.

Tex., Dallas—Clearing—H. M. Gillespie and L. M. Choklo, 2605 Thomas St., low bidders at \$152,000 for clearing Lake Dallas in Denton County.

Tex., Galveston—Dredging—U. S. Engineers Office will receive bids December 17 for dredging Intracoastal Canal at certain places between Galveston and head of Matagorda Bay, Tex.

Tex., Greenville—Spillway—Shepard Brothers, Greenville, has contract for reinforced concrete spillway at the Greenville Club Lake.

Tex., Houston—Wharf—W. D. Haden & Co., Bankers Mortgage Bldg., has plans by Howe & Wise, First National Bank Bldg., Houston, for proposed wharves to be constructed at Manchester.

Tex., Houston—Elevator—Capt. B. C. Albin, Director of the Port, advises: Bids for grain elevator will be received until December 4, also firms who have taken out plans on this project are as follows: Don Hall,

522 Cotton Exchange Bldg., Houston; A. M. Crain Co., 1652 Monanock Block, Chicago, Ill.; MacDonald Engineering Co., 153 W. Jackson St., Chicago, Ill.; Fegles Construction Co., Minneapolis, Minn.; M. A. Long Co., 19 Guilford Ave., Baltimore; Southwestern Engineering Co., Woodruff Bldg., Springfield, Mo.; Folwell Ahlskog Co., 323 N. Michigan Ave., Chicago, Ill.

Contracts let for equipment as follows: to Huntley Manufacturing Co., Silver Creek, N. Y., for cleaning machines; Link Belt Co., 300 W. Pershing Rd., Chicago, Ill., for chain drives; Goodyear Rubber Co., 539 Mission St., San Francisco, Cal., for rubber belting; Fairbanks Co., 416 Broome St., N. Y., for hopper scales; Webster Manufacturing Co., 4500-60 Cortland St., Chicago, Ill., for machinery, spouting, castings, etc.

Contract for motors and starters not yet awarded.*

Tex., San Antonio—Incinerator—City has acquired site at West First and San Antonio St. for new garbage incinerator; Harry L. Haynes, Finance Commr.*

W. Va., Anthony—Tank and Tower—Chesapeake & Ohio R. R., W. J. Harahan, Pres., Richmond, Va., let contract to the Chicago Bridge & Iron Works, Transportation Bldg., Chicago, Ill., for 50,000 gal. capacity steel tank on an 18-ft. tower.

Miscellaneous Enterprises

Fla., Bradenton—Manatee Land Sales Co., capital \$10,000, incorporated with A. H. Mayo, Pres.; E. R. Cobb, Jr., Sec.

Fla., Delray—East Coast Produce Co., capital \$35,000, incorporated with J. C. Keen, Pres.; S. W. Keen, Sec.

Fla., Hialeah—Arctic Products Co. reported to erect \$125,000 plant; 2-story, 90x125-ft., reinforced concrete, hollow tile and stucco; install equipment for the manufacture of ice cream, refrigeration system for ice and cold storage rooms.

Fla., Miami—Chimney Rock Camp, Inc., capital \$20,000, chartered with Reese Combs, Pres., 164 N. E. 23rd St.; Charles A. Hamilton, Sec.

Fla., St. Petersburg—Mathis Building & Developing Co., capital \$300,000, incorporated with Wm. E. Mathis, Pres.; A. L. Bowers, Sec.

Fla., Tampa—Dixie Damp Wash Laundry Co., West Orient Ave., D. C. Morton, Mgr., will expend \$60,000 on additional equipment and enlarging plant.

Fla., Tampa—Bryson Construction Co., capital \$50,000, incorporated with Frank Bryson, Pres.; Fred C. Rogers, Treas., 2610 N. A St.

Fla., Tampa—The Walker Co., capital \$100,000, incorporated with W. Lee Waldner, Pres.; Geo. E. Applebaum, Sec.

Fla., West Palm Beach—East Coast Home & Development Co., capital \$7000, incorporated with S. R. Wight, Pres.; R. E. Wight, Sec.

Fla., West Palm Beach—Day and Faunce, Inc., capital \$100,000, chartered with Chas. L. Day, Pres.; D. F. Day, Sec.-Treas.

Ga., Athens—Fire Fighting Equipment—City, O. H. Arnold, Mayor, votes Dec. 1 on \$23,000 bonds for fire department equipment.

Ga., Macon—Acme Construction Co., capital \$25,000, incorporated by A. L. Patterson, R. S. Stearns and others.

Ky., Grayson—Carter County Courier Publishing Co., incorporated by R. W. Botts, M. T. Bradley and others.

Ky., Middlesboro—Whistle Bottling Co., capital \$9000, incorporated by R. K. Judy, W. P. Rash and G. P. Sharp.

La., Baton Rouge—Abattoir—City let contract to M. P. Thiel, Brinville Capitol Hgts., at \$20,637 for construction of municipal abattoir; to Baton Rouge Electrical & Machinery Works, 329 Florida St., Baton Rouge, at \$2240 for installation of electric equipment, and to the York Engineering Co., York, Pa., at \$12,182 for refrigerating plant; C. H. Charlton, Jr., Archt., Singletary Bldg., Baton Rouge.*

La., Baton Rouge—Capital Mattress Works, John R. Grand, Propr., 2420 N. Boulevard, will establish mattress factory.

La., New Orleans—Dunbar Molasses and Syrup Co., Inc., 3300 Chartres St., capital \$100,000, chartered by M. Levin, Pres.; Jay L. Rothschild, Sec.-Treas.

La., New Orleans—Irving Equipment Co., Inc., chartered with Robert H. Irving, Pres., 1233 Eighth St.; M. G. Gelpi, Sec., 1226 N. Lapez St.

La., New Orleans—Fuerst & Kraemer Co., Albert Kraemer, V.-P., 5301 St. Charles Ave., has plans for the construction of ice cream plant at Canal and N. Claiborne St.

La., New Orleans—Louis Films, Inc., capital \$50,000, chartered with Jean M. Louis, Pres., 3230 Bienville St.; Louis Chaubert, Sec., 8224 Plum St.

La., Shreveport—Sanders Construction Co., Inc., capital \$25,000, chartered with J. W. Sanders, Sr., Pres.; L. A. Campbell, Sec.

Md., Annapolis—Capital City Laundry, Inc., chartered by Layton J. McGhie, Frederick W. Pichler and others.

Md., Annapolis—Capital Timer Co., 217 St. Paul St., capital \$100,000, incorporated by Clarence Beardmore, Leo H. Homand and Roy V. Tyding.

Md., Baltimore—Shelburne Building Corp., 2206 Calow Ave., capital \$50,000, chartered by Herman Samburg, Jacob Rief and Nattan Mendelsohn.

Md., Baltimore—The Traymore Building Co., 621 Dumbarton Ave., capital \$50,000, incorporated by Lloyd A. Jones, Roland C. Sampson and Herman Samburg.

Md., Baltimore—Creek County Co., 607 Calvert Bldg., incorporated by Peter T. Coleman, Julius Scriba and Jesse O. Chandler.

Md., Baltimore—Great Eastern Candy Co., 229 N. Frederick St., capital \$10,000, incorporated by Geo. W. Johnson, Earl L. Johnson and Alfred E. Schunke.

Md., Baltimore—Engineering—Stevens & Wood Co., 841 Calvert Bldg., incorporated by J. P. Huxley, Norman A. Emery and T. Lamar Jackson.

Md., Baltimore—Huntley Candles, Inc., Coca-Cola Bldg., incorporated by Hugh H. Cassidy, Jr., Ralph H. Haas and Fred H. Brown.

Md., Baltimore—Allies' Inn, corner New York Ave. and 17th St. N. W., Washington, D. C., reported to have leased ground floor, Calvert Bldg., will remodel and establish cafeteria.

Md., Baltimore—Johnson Construction Co., 20 E. Lexington St., incorporated by Enoch P. Johnson, Marmaduke Hamilton, Roy L. Brumwell.

Md., Baltimore—Skeen, Pinkerton & Co., Inc., 2434 Greenmount Ave., capital \$25,000, chartered by Edwin G. Skeen, Wm. D. Pinkerton and Warren V. Collier.

Md., Baltimore—Maryland Varnish Products Co., 817 Winston Ave., capital \$25,000, incorporated by Harry A. Jackson, Herbert A. Rhodes and others.

Md., Baltimore—Grenfield Electric Co., 17 E. Lombard St., capital \$100,000, incorporated by Sidney Grenfield, Harry L. Price and others.

Md., Baltimore—American Dry Cleaning & Dyeing Co., Inc., 442 Equitable Bldg., capital \$50,000, chartered by Roy Swimmer, H. Harry Rosenberg and others.

Md., Baltimore—Josef Weis Laboratories, Inc., 110 S. Calvert St., capital \$100,000, chartered by Dr. Josef Weis, Reuben S. Baldwin and others.

Md., Baltimore—H. L. Products Co., 2023 N. Charles St., capital \$20,000, incorporated by Edward C. Hood, Donald H. Englar and Mary Lindsay.

Md., Baltimore—Root-Pop Bottling Co., Inc., Annapolis and Railroad Ave., capital \$50,000, chartered by Geo. Mezitis, James D. Nikolaw and others.

Md., Baltimore—Liberty Oil Co., 1631 Munsey Bldg., incorporated by Israel E. Schwartz, Charles C. Thompson and others.

Md., Baltimore—Retail Cleaners & Dyers, Inc., 1121 Whitelock St., capital \$50,000, incorporated by Nathan Kabik, Samuel G. Wolf and Howard Rocklin.

Md., Baltimore—The Aumen Machinery Co., 107 E. Lombard St., increased capital \$10,000.

Md., Baltimore—Board of Awards, F. A. Dolfield, Register, let contract to R. J. Higgins & Bro., 1205 N. Caroline St., to paint interior of Lexington Market.*

Md., Chevy Chase—Montgomery Publishing Co., capital \$10,000, incorporated by Edward H. Jones, 7 Grafton St.; Wm. I. Orem, Jr., Edwin S. Mowbray.

Md., Emmitsburg—The Emmitsburg Supply Co., capital \$15,000, incorporated by Daniel F. Roddy, Frank Grushon, Edgar Rhodes.

Md., Gaithersburg—Charles Myers, Washington Grove, Md., contemplates building \$20,000 laundry building, 1-story, reinforced concrete.

Md., Hebron—Eastern Manufacturing Co., Inc., chartered by Henry Conway, Samuel Zallis and others.

Md., Hyattsville—The Hyattsville Amusement Co., Inc., chartered by Otway B. Zantinger, Alfred D. Bailey, Jr., Waldo Burbridge.

Md., La Plata—Diatomaceous Products Co., capital \$300,000, incorporated by Francis Brooke Matthews, La Plata; Geo. H. Stevenson, Bel Alton, Md.; Wm. Vaughan Howard, Washington, D. C.

Miss., Dublin—R. V. Posey Mercantile Co., capital \$25,000, incorporated by R. V. Posey, W. J. Posey and others.

Miss., Gloster—Sandy Creek Stock Farm, capital \$10,000, incorporated by T. G. Gaughan, Camden, Ark.; F. A. Anderson and H. W. Carter, both Natchez.

Miss., Greenville—Delta Electric and Plumbing Co., capital \$10,000, incorporated by G. B. Edwards, Walter McCrary and others.

Miss., Hattiesburg—Indian Guide Sign Co., incorporated by H. W. Magruder, Hattiesburg; Stokes Robertson, Century Bldg., Jackson, and others.

Miss., Jackson—Cash Sales Co., capital \$10,000, incorporated by E. S. Atkinson, Jr., 727 Boyd St.; Hugh Craft and Ary Lotterhos.

Miss., Newton—Newton Hatchery Assn., Inc., chartered by C. E. Summer, D. V. McMullum and others.

Miss., Poplarville—Newton Naval Stores Co., capital \$50,000, incorporated by Robert M. C. Gordon, Clarence S. Newton.

Mo., Ash Grove—H. H. Wampler of Clever, Mo., contemplates establishing plant with yearly capacity for canning 100 carloads of tomatoes.

Mo., Kansas City—Marble Products Co.,

capital \$40,000, incorporated by J. R. Mentzer, 1006 Centon Blvd., H. Von Unwerth, 3115 Coleman Rd., and others.

Mo., Phenix—Missouri Crushed Stone Products Co., Joplin, will operate stone crushing plant now being erected at Phenix Marble Co.'s quarries; plant will have capacity of 8 carloads of crushed rock daily and will be operated by Diesel type oil burning engines.

Mo., Republic—Juvenile Shoe Corp., 100 S. Main St., Carthage, let contract to W. E. Fogerson, Aurora, to erect shoe plant; brick and frame; 143x179 ft.; wood floors; built up roof; cost \$35,000; Percy K. Simpson, Archt., 323 S. Main St., Carthage.*

Mo., St. Joseph—Collier-Adams Manufacturing Co., Fourth and Mitchell Sts., will erect factory building at Fourth St. and Mitchell Ave.; cost \$50,000.

Mo., St. Louis—S. Baskowitz & Sons, Inc., 2315 Morgan St., capital \$50,000, chartered by Chas. Baskowitz, Robert Baskowitz and others; manufacture bottles.

Mo., St. Louis—Food Products—Spick Food Co., incorporated by T. T. Anderson, 4931 Lindell St., E. T. Noland, Jr., 6011 Enright St. and others.

Mo., St. Louis—Universal Cleaning & Dyeing Co., 5317 St. Louis St., incorporated by Elmer C. Iserman, H. C. Kramer, Dewey Wilson.

Mo., St. Louis—Standard Products Co., capital \$30,000, incorporated by Jos. Grosberg, 1275 Amherst Place, Oscar Grosberg, 4870 Fountain Ave., and others.

Mo., St. Louis—Viking Automatic Sprinkler Co., capital \$10,000, incorporated by J. B. Wilson, Chester Stem, 761 Heman St., and others.

Mo., St. Louis—Fitzgerald & Roberts Roofing Co., incorporated by John P. Fitzgerald, Henry G. Roberts, 3615 Morganfield, Seneca C. Taylor, Pierce Bldg.

Mo., St. Louis—Martin-Sanford Hotel & Realty Co., capital \$100,000, incorporated by Harry L. Israel, 5928 Waterman St., David D. Israel, Clayton and Lay Sts., and others.

Mo., St. Louis—Jeff-Pine Drug Co. incorporated by G. E. Jacobs, 5390 Pershing St.; S. Goffstein.

Mo., St. Louis—Kaplans Bootery, Inc., capital \$12,500, chartered by J. I. Kaplan, M. Kaplan and others.

Mo., St. Louis—Automobile Association and Automotive Accessories Assn. have petitioned Citizens' Bond Issue Supervisory Committee for an appropriation of \$400,000 for an aquarium.

N. C., Albemarle—A. C. Huneycutt, Publisher of Stanley News-Herald, has acquired Selders Weekly and Stanley Republican.

N. C., Charlotte—F. E. Robinson & Co., 205 N. Tryon St., increased capital to \$75,000.

N. C., Raleigh—License Plates—Western Display and Manufacturing Co. of St. Paul, Minn., has contract to furnish 360,000 plates for private automobiles, 30,000 for trucks, 12,000 dealers' plates and 2000 for motorcycle cycles for State of N. Carolina.

Okl., Nowata—Savoy Hotel Operating Co., capital \$18,000, incorporated by F. E. Crandall and J. E. Dubrue, both Nowata; H. G. McKeever, Enid.

Okl., Vinita—Robert Scott and Clyde Cochran will construct hatchery.

S. C., Rock Hill—Aircraft Printing Co. incorporated with A. E. Young, Pres.; Boyd Hull, Sec.

S. C., Spartanburg—O. K. Williams of Rock Hill, will establish printing plant.

S. C., Spartanburg—Standard Building Co., incorporated with F. L. Miles, Irwin Ave., Pres.; A. D. Miles, Sec.

S. C., Spartanburg—Gelfuss Bakery, N. Liberty St., let contract to Bryson and Webber, Allen & Law Bldg., Spartanburg, for construction of baking plant on N. Liberty St.; 2 stories; steel and brick; cost \$100,000; plans by L. S. Beardsley, 116 W. 39th St., New York; construction to be supervised by Lockwood, Greene & Co., Engrs., Box 436, Spartanburg.*

Tenn., Chattanooga—Stagmaler & Co., 1130 Market St., increased capital from \$200,000 to \$300,000.

Tex., Austin—Austin American, 813 Congress Ave., acquired Austin Statesman; will consolidate plants.

Tex., Austin—Star-Service Hanger Co., capital \$10,000, incorporated by Q. C. Taylor, J. H. Gardner, 4006½ Avenue B, W. E. McGuire.

Tex., Dallas—Consolidated Kosher Packing Co., capital \$15,000, incorporated by J. Goldin, 1803 Gould St.; S. G. Schiff, S. Goldin.

Tex., Fort Worth—Keen Bottling Co., capital \$20,000, incorporated by C. L. Bridges, O. L. Phillips, J. R. McDonald.

Tex., Greenville—Greenville Stationery Co., capital \$20,000, incorporated by F. L. Yow, H. R. Carter and others.

Tex., Houston—Christian-Able Co., incorporated by W. G. Christian, J. A. Able, 7809 Ave. D, and others, manufacture lubricants.

Tex., Royse City—Royse City Sewer Co., capital \$30,000, incorporated by E. L. Dalton, C. W. Parker, and others.

Tex., Houston—Southern Bag & Burlap Co., Second St. and Garard Ave., let contract to Modern Plumbing Co., 910 Fannin St., for plumbing work in plant at Seventy-fifth St. on ship channel and to Eugene Ashe Electric Co., First National Bank Bldg., for electrical work; Don Hall, Contr., Carter Bldg.*

Tex., Houston—Hearthstone Co., 1400 Paige St., increased capital from \$10,000 to \$20,000.

Tex., Huntsville—Huntsville Stone Crusher Co. increased capital from \$50,000 to \$80,000.

Tex., Jasper—J. E. Parker & Co., capital \$15,000, incorporated by J. E. Parker, J. E. Williams, and others.

Tex., Raymondville—Falfurrias Creamery Co., Harlingen, plans establishing branch plant.

Tex., Teague—Teague Hardware and Motor Co., increased capital from \$50,000 to \$100,000, changed name from Teague Hardware Co.

Tex., Weslaco—Texas Building & Supply Co., capital \$50,000, incorporated by Harry L. Stebbins, T. E. Stone, J. S. Phillips.

Va., Norfolk—Peter E. Wurfflein, Gen. Mgr. of Sav-U-Time Food Co., Vineland, N. J., investigating proposition of establishing plant with daily capacity 40,000 bottles food products.

Va., Richmond—Ice Cream—Edward S. Perot, Jr., 261 Broadway, of New York, through Fraser & Co., 5 E. 47th St., New York, reported to have acquired controlling interest in Chapin-Sacks Corp., 10 S. Jefferson St., at Jefferson and Cary Sts.

W. Va., Charleston—M. Marsh & Son increased capital from \$100,000 to \$200,000.

W. Va., Morgantown—Morgantown Amusement Co., capital \$50,000, incorporated by Earl W. Smith, Standish Apt., Myrtle M. Sterling and others.

W. Va., Morgantown—Collapsible Septic Tanks—Kern Sanitary Engineering Co., of

Pittsburgh, Pa., reported to establish factory.

MOTOR CARS, GARAGES, TIRES, ETC.

Ark., Fayetteville—Filling Station—W. E. Graham will erect \$15,000 brick grocery, market and double drive-in filling station corner Maple and Olive Sts.

Ark., Fort Smith—Filling Station—Davis McGehee of Alma, has acquired site, will erect filling station.

Ark., Hardy—Filling Station—A. M. McCall let contract to Nathan Aldridge, Jr., of West Plains, Mo., for filling station.

Ark., Little Rock—McGill-Bowman Overland Co., A. G. McGill, Pres., Exchange Bank Bldg., increased capital to \$50,000.

Ark., Mena—Filling Station—Standard Oil Co. will erect \$30,000 station.

Fla., Daytona Beach—Lyons-Coxwell, Inc., capital \$20,000, chartered with Jay Lyons, Pres., Geo. Lyons, Sec.

Fla., Miami—Orange State Auto Co. will erect \$10,000 filling station at N. E. Thirty-fourth St. and Second Ave., Lee L. Wade, Archt., Professional Bldg.

Fla., Miami—Garage—Shoreland Co., 125 E. Flagler St., let contract to Markley Construction Co., Congress Bldg., for 50x125-ft. garage building on Southwest Third St.

Fla., Sarasota—Peninsular Motor Corp., Marion and Jackson Sts., Tampa, will establish branch on Central Ave., contemplates building automobile show rooms in the near future.

Fla., Tampa—Motor Rental & Service Co., incorporated with W. P. Wadsworth, Pres.; J. R. Wadsworth, Sec.

Fla., Winter Park—Standard Oil Co. will erect filling station corner Fairbanks and Rollins Ave., acquired site.

Ky., Louisville—Filling Station—Standard Oil Co., 424-30 W. Bloom Ave., will erect \$25,000 station at 1101 Bardstown Rd.

Md., Baltimore—Calvert Tire Co., 1408 Continental Bldg., capital \$40,000, incorporated by Clarence R. Bollinger, Joseph L. Kerr and Rudolph F. Boland, Jr.

Md., Baltimore—Wentz-O'Brien Motor Co., Inc., 1316 Central Ave., capital \$10,000, incorporated by Jos. H. Wentz, James H. Preston and Mary A. O'Brien.

Md., Baltimore—Automobiles—H. S. Block, Inc., 1004 Morton St., capital \$25,000, incorporated by Hugo S. Block, Daniel Wilfson and others.

Md., Baltimore—Raymond Thompson, Inc., 1307 St. Paul St., capital \$45,000, chartered by Raymond Thompson, Charles H. Classen and Alfred C. Thompson.

Md., Baltimore—Kunkel Service Co., 31 E. Lee St., incorporated by Frederick J. Kunkel, Charles J. Kunkel, and others.

Md., Baltimore—Wright Motors, Inc., 1429 Maryland Ave., capital \$100,000, chartered by Oliver L. Wright, Edward Langdon and John A. LeMieux.

Md., Baltimore—Garages—Samuel Fisher, 14 High St., will erect thirteen garages at 500-506 Glenwood Ave.

Miss., Flora—Flora Auto Sales Co., capital \$15,000, incorporated by G. E. Smith, E. C. Lane and others.

Miss., Mullins—Sizemore Motor Co., capital \$25,000, incorporated by F. E. Shannon, Pineville; M. J. Cannaday, Hiram Sizemore, both Mullens.

Miss., Pelahatchie—Pelahatchie Motor Co. changed name from P. F. Thompson Motor Co.

Mo., Kansas City—Hudson Brace Motor Co.,

Twenty-seventh and Main Sts., let contract to Swenson Construction Co., Shubert Theatre Bldg., for 1-story addition to auto sales building, 97x163-ft., brick, reinforced concrete and terra cotta; Francis W. Norton, Archt., 708 Finance Bldg.; Hans Von Unwerth, Consit. Engr., 708 Finance Bldg.

Mo., Kansas City—Automobile Accessories—Hassler-Missouri-Kansas Co., capital \$20,000, incorporated by J. H. Connor, 2905a Eads St.; John C. Vogel, 2106 Bellevue St., and others.

Mo., St. Louis—H. Kobermann, 5648 Gravois St., will erect \$10,000 auto service and sales building, at 5626 Gravois St., 1-story, 80x120-ft., composition tile roof, steam heat; construction by owner; S. O. Schumacher, Archt., 8635 Mora Lane.

Mo., St. Louis—Garage, etc.—Roxana Petroleum Corp., Arcade Bldg., let contract to Wilkins & Phillips, 407 Comptus Bldg., at \$40,000 for 1-story, 100x128-ft. garage and print shop at 4532 Aubudon Ave., brick construction; Kennery & Stiegemwyer, Archt., Title Guaranty Bldg.*

Mo., Sikeston—Superior Garage, Inc., capital \$25,000, chartered by F. G. Zillmer, Morehouse, Mo.; H. Comer and R. S. Bush, both Sikeston.

Okla., Tulsa—Super-Sales Co., capital \$10,000, incorporated by T. J. Chastain, 405 S. Victor St.; V. W. Briddle and others.

Okla., Turley—Superior Auto Jack Co. increased capital from \$5000 to \$15,000.

S. C., Columbia—U-Auto-Drive Co. incorporated by W. H. Harth and V. F. Harth; changed name from Red Circle Filling Station.

Tex., Calvert—Calvert Motor Co., capital \$15,000, incorporated by J. T. Bowman, E. P. Cravens and J. A. Pierce, 813 Willow St., all of Austin.

Tex., San Antonio—Accessories—Orsinger-Flint Co., 443 Main Ave., capital \$15,000, incorporated by Remington Orsinger, Ward Orsinger and others.

Tex., San Antonio—Garage—H. Alves let contract to Andrew Vogel, 115 Arcadia Place, at \$11,073 for 1-story, reinforced concrete and brick and stucco garage building at 1402 N. Flores St.; to Graham & Collins, 306 W. Commerce St., for wiring; to Chalkley Bros., 214 E. Romana St., for plumbing; Seutter & Simons, Archt., Moore Bldg.

Tex., San Antonio—Crawford Motor Co. will occupy 2-story, fireproof building on W. Houston and San Pedro Creek, brick and concrete, 25,000 sq. ft. floor space; to be erected by Elias Dubinski, S. Flores St., at cost of \$35,000.

Tex., Pittsburgh—Maddox Motor Co., has acquired 100x150-ft. site on Main St., will erect automobile sales and service building.

Va., Portsmouth—Accessories—Portsmouth Auto Bus Assn., Inc., chartered with J. L. Hudson, Pres.; E. D. Hathaway, Sec.

Va., Portsmouth—Pickerell Motor Corp., capital \$25,000, chartered with Geo. Pickerell, Pres.; Geo. M. Pickerall, Sec.

Va., Richmond—Keystone Service Corp., D. V. Edmondson, Pres., increased capital from \$250,000 to \$500,000.

Road and Street Construction

Ala., Ensley—Details under Land Development.

Ala., Enterprise—State Highway Comn., Montgomery, plans extending road from Coffee County line toward Florida State line through Geneva.

Ala., Florence—Sheffield Development Co. let contract to Mitchell Bros. Construction Co., for grading, curbs, gutters and sidewalks in River Bluff sub-division.

Ala., Huntsville—State Highway Comn., Montgomery, plans hard surfacing 3 roads Meridianville road from Huntsville to Normal; rebuild Athens pike; build Big Cove pike from city to top of mountain.

Ala., Montgomery—City Treas. J. L. Cobbs, will receive b'ds December 9 to pave roadways in Holt and Scott Sts., with asphalt, bitulithic concrete, vibrolithic concrete, asphaltic concrete, Kentucky rock asphalt, emulsified asphalt, Tarvia double seal, rawhide, or Willite process; also to grade, install necessary granite curbing, gutters, storm and surface sewers, brick walls, etc., and paving sidewalks of Goode St. and Linden Ave., with hexagon tile or Schillinger pavement; plans, etc., from J. M. Garrett, City Engr.

Fla., Avon Park—City plans paving 15 to 18 mi. streets; will vote December 12 on \$60,000 bonds; G. L. Crews, Clk.*

Fla., Clearwater—Pinellas County Commrs. plan establishing 2 road and bridge districts; voted \$75,000 bonds, defeated \$250,000.*

Fla., Cocoa—Lancelot Jacques, Sr., Smithburg, Md., plans opening, paving, laying sidewalks, sewerage and water mains on street from Brevard to Delannoy Ave.

Fla., DeLand—Volusia County contemplates building State Highway between Ocala and Daytona; G. L. Holland, County Engr.

Fla., Miami—Details under Land Development.

Fla., Oldsmar—Town plans paving St. Petersburg Drive; voted \$75,000 bonds. Address Town Clk.

Fla., Orlando—City plans paving and street improvement; will vote December 9 on \$275,000 bonds. Address City Clk.

Fla., St. Petersburg—Details under Land Development.

Fla., Sebring—State Road Dept., Tallahassee, and Highlands County Commrs. reported granted authority to W. J. Conners, West Palm Beach and Buffalo, N. Y., to improve 28 mi. State Road No. 8 between Kissimmee River and Lake Annie, cost \$15,000.

Fla., Tallahassee—State Road No. 5 Assn., organized with Barron G. Collier, Pres., 220 W. 42nd St., New York and Everglades; J. A. MacKintosh, Sec., Tallahassee; interested in extending Tamiami Trail 5 mi. from Fort Myers to Miami, and from point in Levy or Citrus Counties, to Pensacola.

Fla., Vero—Details under Land Development.

Fla., Winter Haven—Details under Land Development.

Ga., Cartersville—Board of Aldermen let contract to Sam E. Finley, 212 W. North Ave., Atlanta, for street improvement.*

Ga., Irwinton—State Highway Comn., East Point, approved plans to build Ridge road to connect Irwinton with Macon; cost \$45,000.

Ga., Savannah—City plans grading, paving, etc., Williamson St. from W. Broad to Jefferson St.; H. O. Durham, Clk.

Ga., Washington—Wilkes County, Board of Commrs. of Roads and Revenues, will receive bids December 2 to furnish labor, equipment, material, etc., for 2 sections graded top soil roads, totaling 10 mi.; Sec. A, from Kettle Creek to Taliaferro County line, 18,340 cu. yd. common, borrow, solid and loose rock excavation, 12,126 cu. yd. sand-clay surface; Sec. B, from Washington toward Kettle Creek, 23,375 cu. yd. common, borrow, solid and loose rock excavation,

14,270 cu. yd. sand-clay surface; plans, etc., from J. H. Calaway, Chmn.; B. I. Cheney, Clk.*

Ky., Owensboro—State Highway Comn.,

Frankfort, will receive bids soon for Ohio River road, between Owensboro and Stanley, via Main St. road.

Ky., Providence—Percy D. Berry, Providence, P. A. Melton, Clay, and others of Union, Webster and Hopkins Counties organized to build federal highway known as Tradewater Trail from Providence to Shawneetown.

La., Alexandria—Rapides Parish Police Jury let contract for 2 roads: 5 mi. Sieper, A. M. Wilkes, Alexandria; 1 mi. Alexandria-Leesville, A. J. Singletary, Oakdale.

La., Coushatta—City plans paving Hessemere Ave. Address City Clk.

La., Homer—Louisiana Highway Comn., Reymond Bldg., Baton Rouge, will receive bids Dec. 2 for 8 mi. gravel Homer-Farmerville Highway, Sec. 6, Claiborne Parish; plans, etc., on file; W. B. Robert, State Highway Engr. Lately noted bids Nov. 18.

La., Lake Charles—Calcasieu Parish Police Jury will receive bids Dec. 2 for gravel road from DeQuincy to Calcasieu-Bauregard line, extension of Highway No. 5; 6000 tons gravel; H. G. Chalkley, Pres.; Fred Shutt, Parish Engr.

Md., Baltimore—Paving Comn., Samuel C. Rowland, Acting Chmn., 214 E. Lexington St., plans paving, repaving and resurfacing 17 streets, roads, and avenues, including 18th St., Glen Allen road, and Overland Ave.; Howard W. Jackson, Mayor.

Miss., Hattiesburg—Forrest County Board of Supervs. plans building highways; voted \$250,000 bonds; H. Gillis, Clk.*

Mo., Mexico—Fred Peek, City Councilman, suggests voting on \$100,000 street bonds.

Mo., Mount Vernon—Lawrence County, Pierce City Township, let contract to Cox Construction Co., Crane, for 50 mi. hard surfaced roads.

Mo., St. Joseph—City plans paving Pryor and Twenty-sixth Sts. with concrete. Address City Clk.

Mo., St. Louis—Board of Public Service will receive bids Dec. 9 to widen and pave Delmar Ave., and rebuild St. Louis Ave.; plans, etc., on file.

Mo., Springfield—City plans paving sidewalk on Kimbrough Ave. between Madison and Grand Sts.; W. E. Freeman, Mayor.

N. C., Asheville—City Planning Comm., City Commrs., and others interested in widening Biltmore Ave., between Pack Square and Eagle St. Address Mayor Cathey.

N. C., Charlotte—Lakes-to-Florida Highway Assn., incorporated by Bernard McClaugherty, Highland Ave., Bluefield, W. Va.; W. D. Thompson, Hillsville, Va., and Woodrow McKay, Lexington, N. C., and others; interested in building highway from Great Lakes to Florida.

N. C., Murphy—Cherokee County Road Comn., plans building or improving 4 roads: Murphy-Notla-Shoal Creek, cost \$75,000; Beaverdam, \$50,000; Hot House, \$25,000; Andrews-Aquone road in Valleytown Township, \$25,000; contingent upon \$175,000 bond issue.

N. C., Wilson—Board of Aldermen let contract to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, at about \$165,000 for additional paving, sidewalks, and water and gas connections.

N. C., Winston-Salem—Board of Aldermen, W. H. Holcomb, Sec., plans laying 5-ft. wide concrete sidewalks on Fayette and Thomas streets.

Okla., Cherokee—Details under Land Development.

Okla., Chickasha—Grady County plans 112 mi. hard surfaced roads; contemplates vot-

ing on \$650,000 bonds. Address County Comr.

Okla., Norman—City Comr. plan 11 blocks of street paving; Fred. Cobb, City Engr.

Okla., Pawhuska—Osage County plans east and west state highway from Pawhuska, into Ponca City, following White River trail; Eugene M. Wheeler, County Engr.

Okla., Taloga—Dewey County Comr. plan improving 3 roads: Clay surface 3 mi. road west of Webb, and graveling 4 mi. road east of Camargo; gravel 3 mi. state highway between Taloga and Clinton; also plan building bridge 2 mi. south and 2 mi. east of Leedey.

Okla., Tulsa—City let contracts at \$151,569, to H. L. Cannady Co., 1122 S. Lewis St., and Standard Paving Co., 1742 E. Sixth St., to pave 13 streets, alleys and avenues.*

Okla., Wetumka—City let contract to Park Moran, 110½ S. Seminole St., Okmulgee, at \$87,619 for seven blocks 2½-in. brick pavement. Paving Dist. No. 2.*

S. C., Beaufort—City plans graveling Bladen and Boundary St., and paving North St. Address City Clk.

Tenn., Clinton—Dept. of Highways & Public Works, plans grading and surfacing 12 mi. in Anderson County, between Clinton and Campbell County line.

Tenn., Johnson City—City contemplates 10 to 15 mi. belt line boulevard, circling city near corporate limits. Address City Clk.

Tenn., Nashville—Board of Public Works let contract to Adamant Stone and Roofing Co., Fort Shelby, Nashville, to pave Sixteenth St. from Eastland to Woodland Ave.

Tenn., Waynesboro—Dept. of Highways and Public Works, let contract to McQuary Bros. Construction Co., Hopkinsville, Ky., at about \$152,400, for 7½ mi. chert and gravel road in Wayne County, from Waynesboro toward Hardin County line.*

Tex., Carthage—Panola County will receive bids December 15 to grade and construct bridges on 14.70 mi. State Highway No. 64 from Carthage to Ruck County line, 121-536 cu. yd. earth roadway excavation and borrow, 57,128 lbs. reinforcing steel; Titus & Dillon, County Engrs.; A. D. Nelson, County Judge.

Tex., Dallas—City Comr., received low bid from Central Bitulithic Co., Praetorian Bldg., at \$3.15 per sq. yd. to pave Elm St. between Harwood and Olive, with 2½-in. asphalt topping; will receive bids for paving Harwood St.; plans opening Cockerell Ave. from Santa Fe R. R. to Forest Ave., South Dallas. Address City Sec.

Tex., Dallas—City let contract to Fuller Construction Co., Western Independent Bldg., to pave Greenville Ave. from Ross Ave. to Richmond St.; R. W. Wylie, Street Comr.

Tex., Dallas—City plans extending Parry Ave. along Cotton Belt right of way, South Dallas, to connect with Coombes St., and through Coombes, S. Harwood and S. Ervay Sts.; also plans extending Ash Lane into South Dallas. Address City Clk.

Tex., Del Rio—City plans additional paving; will vote December 16 on bonds. Address The Mayor.

Tex., El Paso—El Paso County will receive bids Dec. 2 to grade and construct bridges on 7.35 mi. State Highway No. 1, El Paso to White's Spur; F. E. Wilson, County Engr.; E. B. McClintock, County Judge. Lately noted bids Dec. 3.

Tex., Floresville—Wilson County received low bid from Brammer & Wilder, Stewart Bldg., Houston, at \$337,340 for macadam base

on 14.52 mi. State Highway No. 16, San Antonio-Corpus Christi road; let contract to W. D. Montgomery, Alamo Bank Bldg., San Antonio, at \$551,117, for 30.61 mi. gravel sub-base with macadam base top, and 1-in. rock asphalt toping, San Antonio-Cuero road.*

Tex., Linden—Cass County let contract to Smith Bros. Construction Co., 1502 American National Bank, Dallas, at \$113,229 to grade, bridge and concrete surface 4.00 mi. State Highway between Atlanta and Linden.*

Tex., Lubbock—Lubbock County Comr. Court, will receive bids Dec. 13 to pave driveways east and west of Courthouse, connecting Broadway and Main St., brick, concrete, crushed granite, Tarvia; plans, etc., on file; Herbert Stubbs, County Clk.

Tex., McKinney—Collin County let contract to J. E. Ward Co., Slaughter Bldg., Dallas, at \$22,370, for 12.3 mi. bituminous surface treatment on State Highway No. 6.*

Tex., Plano—City plans street paving; will vote this week on \$20,000 bonds. Address The Mayor.

Tex., San Antonio—City plans expending \$215,000 to widen and straighten S. Flores, Bonham and Crockett Sts.; plan improving 6 other streets; John W. Tobin, Mayor.

Tex., San Antonio—City plans paving Madison St. between Garden and Guenther; John W. Tobin, Mayor.

Tex., San Antonio—Bexar County plans grading, constructing bridges and laying gravel base and 1-in. asphalt surface on 8.8 mi. State Highway No. 3, Castroville road from Medina Creek to Medina County line cost \$149,000; will re-gravel 4 mi. Gonzales road from end of present pavement to County line, cost \$25,000; day labor; Augustus McCloskey, County Judge; A. C. Pancoast, Engr.

Tex., San Benito—City Comr., will receive bids December 10 to improve 7 avenues and 4 streets, concrete or rock, 85,000 sq. yd. paving, 36,000 lin. ft. curbs; plans, etc., from Agar & Gentry, Engrs.; J. Scott Brown, Mayor.

Tex., Seymour—Baylor County will receive bids December 16 to grade and construct drainage structures on 12.72 mi. State Highway No. 24, Red Springs road, between Seymour and Knox County line, 138,868 cu. yd. roadway excavation and borrow, 43,547 lbs. reinforcing steel; J. G. Rollins, Res. Engr.; Ernest Tibbetts, County Judge.*

Tex., Sherman—City plans street paving; contemplates voting soon on \$50,000 bonds. Address The Mayor.

Tex., Snyder—City plans street paving and improvement; will vote Dec. 1 on \$50,000 bonds; A. C. Pruitt, City Sec.

Va., Richmond—City plans smooth-paving 4 streets. Address Mayor Bright.

W. Va., New Cumberland—Hancock County Comr. let contract to Kane Bros., Youngstown, Ohio, to pave New Cumberland-Weirton road.

W. Va., Welch—City plans widening Elkhorn St. Address City Clk.

Sewer Construction

Ala., Ensley—Details under Land Development.

Ala., Florence—Details under Land Development.

Ala., Montgomery—Details under Road and Street Construction.

Ark., Cotton Plant—Details under Water Works.

Fla., Bradenton—Details under Water Works.

Fla., Cocoa—Details under Road and Street Construction.

Fla., Frostproof—Details under Water Works.

Fla., Largo—Details under Water Works.

Fla., Tampa—City, Wm. E. Duncan, Clk., will open bids Dec. 2 for construction of storm sewer on Azeele St., Packwood Ave., Westland Ave., etc. (See Machinery Wanted—Sewer System.)

Fla., Winter Haven—Details under Land Development.

Ga., Hapeville—City, L. B. Carter, Mayor, will receive bids Dec. 18 for furnishing material and labor for sanitary sewer and water works extension; J. B. McCrary, Engineering Corp., Engrs., Citizens and Southern Bank Bldg., Atlanta. (See Machinery Wanted—Water Works and Sanitary Sewers.)

Ga., Macon—City, Osgood Clark, Clk., receives bids Dec. 2 for sewer system; Norton, Bird & Whitman, Consit. Engr., Macon. (See Machinery Wanted—Sewers and Disposal Plant.)

Ky., Fort Thomas—City voted \$300,000 sewer bonds. Address The Mayor.

Md., Baltimore—Board of Awards, Howard W. Jackson, Pres., opens bids Dec. 3 for building Gwynns Run Trunk Drain, Section 2, Storm Water Contract No. 78, and for building storm drains in Sewer District J-4, Storm Water Contract No. 77; Bernard L. Crozier, Highways Engr. (See Machinery Wanted—Sewers.)

Md., Baltimore—Board of Estimates, Bernard L. Crozier, Highways Engr., will purchase from DeHuff & Hopkins, Morris Bldg., Philadelphia, Pa., two 30-in. sluice gates for sewerage disposal works, Back River.*

Md., Mt. Wilson—Details under Water-Works.

Mo., Jefferson City—City will open bids Dec. 1 for construction of sewer in District No. 27; F. E. Ross, City Engr. (See Machinery Wanted—Sewer System).

Mo., Lées Summit—City, Joe Noel, Mayor, votes Dec. 2 on \$64,000 bonds for complete sanitary sewer system; E. T. Archer & Co., New England Bldg., Kansas City, Mo., Engrs.

Tex., Clarendon—State Board of Health, Austin, has approved plans for sewer system and treatment works; cost \$120,000.

Tex., Crowell—State Board of Health, Austin, has approved plans for sewage disposal plant; cost \$50,000.

Tex., Del Rio—City votes Dec. 10 on \$150,000 bonds for sewer and paving. Address The Mayor.

Tex., Houston—City let contract to T. E. Eller for constructing sanitary sewer on Clark St. between Loraine and Harrington Sts. and for Gano St. sanitary sewers.*

Tex., San Saba—City votes Jan. 6 on \$60,000 bonds for construction of sewer system. Address The Mayor.

Tex., Waco—City contemplates installing \$350,000 sewage treatment plant. Address The Mayor.

Telephone Systems

Fla., Orsino—Orsino Telephone, Telegraph & Power Co., J. H. Mellon, Sec., Cocoa, Fla., will receive bids Dec. 28 for erection of telephone exchange and office building, build approximately 48 mi. of telephone lines; install \$10,000 equipment; A. A. Buck, Const. Engr. (See Machinery Wanted—Telephone Equipment).*

Mo., St. Louis—Southwestern Bell Tele-tract to Murch Bros. Construction Co., Rail-way Exch. Bldg., for 2-story and basement,

156x200-ft. brick, exchange building at Grand and Botanical Sts.; I. R. Timlin, Archt., Boatmen's Bank Bldg.

N. C., Andrews—J. M. Boone and Zeb Conley have acquired the Andrews Telephone Co., will remodel and operate.

Textile Mills

Ark., Jonesboro—Jonesboro Cotton Mills, Inc., \$600,000 capital, H. J. Bosler, Pres., will establish brick and concrete sheeting mill; will install 10,000 spindles; electric power plant, electric drive; R. C. Biberstein, Charlotte, N. C., Archt.-Engr., 1614 Elizabeth Ave., G. F. Roberts, Jonesboro, Machinery Contrs.*

N. C., Biltmore—J. E. Sirrine & Co., Engrs., Greenville, S. C., advise they are developing plans for building for Sayles Finishing Plant, Inc., main office Saylesville, R. I.*

N. C., Swannanoa—Beacon Manufacturing Co., New Bedford, Mass., let contract to American Moistening Co., 251 Causeway St., Boston, for humidifying equipment.*

S. C., Greenville—Vardry Cotton Mills, S. Main St., Clifton Corley, Pres., increased capital from \$140,000 to \$275,000; will probably remodel plant.*

Tex., San Marcos—Planters & Manufacturers Cotton Mill Co., S. M. Ransopher, Pres., New Braunfels, will begin construction of 350 looms and 10,000 spindle mill; weekly capacity 100,000 yds. outing flannel; reported that Lockwood, Greene & Co., are Engrs. and Contrs., 24 Federal Sts., Boston, Mass.

Water Works

Ala., Ensley—Details under Land Development.

Ala., Phenix City—City contemplates issuing \$80,000 water works bonds. Address City Clk.

Ark., Cotton Plant—City, S. M. Bush, Mayor, has preliminary plans in progress for complete water and sewer system; E. T. Archer & Co., Engrs., New England Bldg., Kansas City, Mo., and Merchants Building, Shreveport, La.

Fla., Bradenton—City, Whitney Curry, Mayor, voted December 19 on \$200,000 bonds for gas plant; \$350,000 bonds for waterworks: \$145,000 for sanitary sewers and \$72,000 for storm sewers.*

Fla., Cocoa—Details under Road and Street Construction.

Fla., Frostproof—City voted bonds for water and sewer system, park and white way; Address The Mayor.*

Fla., Largo—Town, J. C. English, Mgr., plans extension of water and sewer system.

Fla., Orange City—Details under Land Development.

Fla., Winter Haven—Details under Land Development.

Ga., Hapeville—City, L. B. Carter, Mayor, will receive bids Dec. 18 for furnishing material and labor for water works and sanitary sewer extensions; J. B. McCrary Engineering Corp., Engrs., Citizens and Southern Bank Bldg., Atlanta. (See Machinery Wanted—Water Works and Sanitary Sewers.)

Ia., Shreveport—Lock-Joint Pipe Co., Ampere, N. J., has sub-contract for concrete pipe for Cross Lake water works project; The J. N. Chester Engineers, Engrs., Union Bank Bldg., Pittsburgh, Pa.*

Md., Cumberland—City agreed to extend water main to Ridgeley, W. Va.; Brady Bros., Contr.*

Md., Mount Wilson—Abel Wolman, Ch. Engr., State Board of Health, 16 W. Saratoga St., Baltimore, advises that field surveys are now being made for water and sewerage improvements at Mt. Wilson branch, Maryland Tuberculosis Sanitarium, and that plans and specifications will be prepared by the Bureau within next few months.*

Mo., Lees Summit—City, Joe Noel, Mayor, voted Dec. 2 on \$61,000 bonds for water works improvements, including impounding reservoir pumps, filters, etc.; E. T. Archer & Co., New England Bldg., Kansas City, Mo., Engrs.

N. C., Charlotte—City will install dry feed chlorinating apparatus at city water works, capable of delivering and applying 300 lbs. of liquid chlorine per 24 hours.

N. C., Wilson—Details under Road and Street Construction.

Okla., Oklahoma City—City Comms. let contract at \$167,488 to the Boardman Co., W. Maple St., for constructing Thirty-ninth St. roll over inlet to city reservoir and to Anderson & Donnelly, 423 N. Robinson St., at \$17,505 for furnishing and erecting steam header at pumping station.*

Tex., Coleman—City, R. V. Wood, Clk., voted \$125,000 water works bonds.*

Tex., Dallas—H. L. Gillespie and L. M. Chokla, 2605 Thomas St., were low bidders for clearing reservoir site at Lake Dallas basin.

Tex., Luling—Luling Water & Light Co., let contract to Layne & Bowler Co., Chelsea Ave., Memphis, Tenn., for drilling well to furnish city with artesian water.

Tex., Paducah—City voted \$125,000 bonds for construction of water works system; Jno. W. Carroll, Mayor.*

W. Va., Mannington—City Comms. let contract to Johns-Manville Co., 210 N. Broad St., Phila., Pa., for pipe covering for water pipe.

W. Va., War—War Light and Water Co., has applied to Town Recorder for 50 year water and light franchise.

Woodworking Plants

Fla., Sanford—Gunn Veneer Plant, T. G. Gunn, will remodel plant, purchased machinery, increasing capacity.

Fla., West Palm Beach—Millwork, etc.—Jones-Mays Co., capital \$100,000, incorporated with C. C. Jones, Pres.; P. K. Pickering, Sec-Treas.

W. Va., Princeton—Princeton Handle Co., capital \$25,000, incorporated by R. B. Vermilyea, E. H. Witten and others.

FIRE DAMAGE

Ala., Birmingham—A. B. Langley's garage, 1019 S. 15th St.; estimated loss \$15,000.

Ala., Birmingham—Leeds Cooperage Co.'s plant; estimated loss \$20,000.

Ark., Hulbert—Rock Island Railroad car shed; loss \$50,000; address C. A. Morse, Ch. Engr., Chicago, Ill.

Ark., Kensey—Kensey Hotel owned by T. C. McCormick; loss \$8000.

Ga., Holland—Holland Brothers' barn; loss \$15,00.

Ky., Lexington—W. B. Cumber's residence in Fayette County; loss \$9000 to \$10,000.

Ky., Louisville—Residence of John Lynch, Pres. Evergreen Cemetery, Preston Street Rd., at Barnard Station; loss \$25,000.

Ky., Shelby Gap—Samuel Adams' store and residence, near Shelby Gap; loss \$100,000.

Ky., Louisville—Frank Ahman's garage at 1921 Colgan St., estimated loss \$8500.

Md., Baltimore—Building at 1023 Cathedral St., lower floor occupied by the Cathedral Radiator and Fender Works and adjoining structure.

Miss., Gulfport—Central Ward School; loss \$75,000; address the Board of Education.

Miss., Tupelo—The Chickasaw Dairy plant, loss not estimated; owned by B. T. Clark.

Mo., Rocky Comfort—Flour mill owned by Roscoe Davidson and R. L. Reed; loss not estimated.

Mo., St. Louis—Mid West Leather Co.'s plant at 208 Walnut St.; loss not estimated.

N. C., Parkton—Hudson Brothers store, Perry Bros. store, Grantham Drug Co. and a barber shop; loss \$100,000.

N. C., Snow Hill—J. E. Herring's cotton gin and sawmill; loss not estimated.

N. C., Southern Pines—Southern Pines Hotel damaged; address J. J. Harrington, Littleton, N. H.

N. C., Winston-Salem—Residence on Kerner's Rd. of B. X. Linville, Cashier Farmers National Bank & Trust Co., Southside Branch; loss \$13,000.

Okla., Grove—J. C. Rhodes' barn.

Okla., Muskogee—Main hangar of the United States Army at Hatbox flying field; loss not estimated.

S. C., Liberty—Ed Hendricks' residence between Liberty and Norris.

Tenn., Knoxville—Broad Street M. E. Church South, Broadway and Fifth Ave., Rev. H. E. Kelso, Pastor; loss \$50,000.

Tenn., Newport—Ruble Brothers' department store; loss \$20,000.

Tex., Bridgeport—Hardey, Funk, Sneed and Weaver buildings occupied by Hardey Cash Grocery, Handley Pharmacy, Bridgeport Undertaking Co., M. P. Mask Dry Goods store and W. E. Sensebaugh, meat market; loss \$75,000 to \$100,000.*

Tex., Cooper—Tom Kiser's cotton gin; estimated loss \$12,000.

Tex., Fort Worth—Worth-Maid Garment Co.'s plant, 811½ W. Second St.; loss not estimated.

Tex., Temple—Wilkinson Building, occupied on first floor by Wm. Safer & Co., Houghton Bros. and Charles Thompson's Automobile Paint & Top Co., with offices above; loss \$35,000.

Va., Charlottesville—Thos. J. Michie's residence, Park St.; loss \$15,000.

Va., Charlottesville—Southern Railway Co.'s station at Weyburn, 19 miles north of Charlottesville, loss \$50,000; address Henry W. Miller, Vice-Pres., Washington, D. C.

Va., Lynchburg—Stores on Main St. owned by Miss Dora Ford and Shearer Bros.; loss \$90,000.

W. Va., Bluefield—Cadillac Agency's plant on Raleigh St., loss about \$12,000; J. D. Cartwright, Mgr. of Agency, Frederick St.

W. Va., Charleston—Russell Cobb's residence and garage, Sissonville Rd. at Pocataligo.

W. Va., New Martinsville—Morris Kamm's cigar plant; loss \$100,000.

W. Va., Williamson—Landon Phillips' residence and 6 other dwellings; loss \$75,000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Md., Cumberland — Central Young Men's Christian Assn., Board of Directors, J. Milton Patterson, 219 Baltimore Ave., will receive bids December 27 for building, Baltimore Ave. and Baltimore St.; cost \$350,000; drawings and specifications at office Y. M. C. A.; Shattuck & Layer, Archts., 19 S. LaSalle St., Chicago.*

W. Va., Bluefield — Knights of Pythias, W. E. Owens, member, are interested in erection of temple for Pythian Sisters.

Bank and Office

Mo., Kansas City — E. Shukert of Shukert Fur Co. is considering erection of 6 additional stories to 4-story Argyle Building, 12th and McGee Sts.; present structure 98 by 132 ft., steel and concrete and brick walls.

Mo., Nevada — Nevada Trust Co., R. S. Hart, Pres., is having plans drawn for rebuilding front of building.

Mo., St. Louis — Polar Wave Ice & Fuel Co., D. H. Mickerman, Pres., 3626 Olive St., will remodel 2-story brick office building, S. 12th St. near Chouteau St.; alter front; H. G. Clymer, Archt., Wainwright Bldg.

Tenn., Nashville — Life & Casualty Insurance Co., 309 Church St., G. Burton, Pres., selected Hart & Nevins, 167 Eighth Ave., N. as architects for 10-story home office building on site of Steger Bldg., Fourth Ave., N.; Freeland, Roberts & Co., Consult. Engrs., Independent Life Bldg.*

Tex., San Antonio — Southwestern Bell Telephone Co., Harry Martyn, Local Mgr., reported to have plans ready for bids on 6-story and basement extension to present structure, 215 E. Travis St.; cost, without furnishings and equipment, \$150,000; brick concrete and steel, 40x100 ft., cement floors, concrete foundation, tar and gravel roof, metal lath, steel sash, wire glass, 2 passenger elevators, steam heat; Sanguinet, Staats & Hedrick, Archts., First Natl. Bank Bldg., Fort Worth.*

W. Va., Huntington — Consolidated Power & Light Co., Miller-Ritter Bldg., W. R. Power, Gen. Mgr., will remodel building, Third Ave. and Tenth St., for offices; A. F. Dickey, Archt., First National Bank Bldg.

Churches

Ala., Birmingham — St. Marys-on-the-Highlands Episcopal Church, Miss H. M. Averett, Sec.-Treas., will erect \$80,000 parish house and \$20,000 rectory, S. 12th Ave. and 19th St.; work to start about Jan. 1; former 99x47 ft., stone front; J. C. Halstead, Archt.-Constr. Supervisor, Chamber of Commerce Bldg.; Rev. Oscar deWolf, Rector.

Ala., Gadsden — Twelfth Street Baptist Church plans to erect building, probably at 12th and Chestnut Sts. Address The Pastor.

Ark., Fordyce — Methodist Church accepted plans by John P. Almand, Little Rock, for building to replace burned structure.*

Ark., Gassville — Baptist Church will erect building. Address The Pastor.

Fla., Homestead — Baptist Church plans to erect \$50,000 building. Address The Pastor.

Fla., Lake Worth — Christian Church, Rev. Daniel Stewart, Pastor, has tentative plans for \$15,000 main auditorium, 13th Ave. and J St.

Fla., Perry — First Baptist Church will erect \$35,000 ordinary construction building; 3 stories, 60x100 ft., pine and concrete floors, hollow tile, metal ceilings, asphalt shingle roof, plaster board, ventilators, rolling partitions, concrete foundation, steam heat; Jas. E. Greene, Archt., 808 Farley Bldg., Birmingham, Ala. Address Judge W. B. Davis, Perry.*

Fla., Tallahassee — Judge T. F. West is chairman of State committee for campaign to provide \$20,000 for Presbyterian Church in Tallahassee.

Fla., Tampa — St. Johns-by-the-Sea, Rev. Wm. B. Curtis, Rector, 1716 Hills Ave., will erect building, S. Orleans and Morrison Aves.; pipe organ; Francis J. Kennard, Archt., Krause Bldg.

Ga., Blackshear — Baptist Church plans to erect \$75,000 building. Address The Pastor.

Ga., Fort Gaines — Methodist Church, Rev. B. A. Pafford, Pastor, will erect 12-room Sunday school addition; material on ground.

Ga., Macon — Vineville Methodist Church plans to erect \$125,000 building; Rev. Osgood Cook, Pastor.

Ga., Vidalia — First Presbyterian Church plans to erect building. Address The Pastor.

Ky., Harrodsburg — Rev. T. H. Bowens, Pastor, Christian Church, advises church will not be started for year or so.*

Ky., Barbourville — Hi-Land Park Baptist Church accepted plans for \$20,000 building. Address The Pastor.

Mo., Clarkton — First Presbyterian Church, Chas. B. James, Chmn., Bldg. Comm., will erect \$20,000 building; 1 story and basement, 20x70 ft., brick and stone; C. C. Bulger & Sons, Archts., Praetorian Bldg., Dallas, Tex.

Mo., St. Louis — Kingshighway M. E. Church, Edw. S. Transue, Chmn. Bldg. Comm., plans to start work in Spring on Gothic type main auditorium, Kingshighway Park and Colorado Ave.; cost, including furnishings, \$60,000; 65-ft. tower, auditorium to seat 500 including balcony, assembly room, 400, 14 classrooms, kitchen, etc.; Bonsack & Pearce, Archts., 704 Olive St.; later plans to remodel present chapel.*

Mo., Moberly — Central Christian Church, 4th and Burkhardt Sts., Rev. G. C. Schurman, Pastor, will erect brick and cement Sunday school building on site of present parsonage; cost about \$50,000, 2 stories and basement, 60x120 ft., cement and oak floors, poured concrete foundation, slate roof, metal ceilings, ventilators, rolling partitions, steel sash and trim, wire glass; furnishings, equipment, etc., \$10,000; architect not selected.*

N. C., Charlotte — Pritchard Memorial Baptist Church selected Daugherty & Gardner, Stahlman Bldg., Knoxville, Tenn., as architects for \$125,000 building.

N. C. Henderson — First M. E. Church Bldg. Comm. will receive bids about middle of Dec. (exact date given later) for building to cost about \$100,000; plans from Eric G. Flanagan, Engr., Henderson; separate bids for plumbing and heating.

Tenn., Chattanooga — Mizpah Reform Jewish Congregation, Harry Wise, Pres., 331 S. Crest Road, has offer from Adolph S. Ochs, Alberta Apts., to enlarge or rebuild present structure, Oak and Lindsay Sts., and erect community house and parsonage; cost over \$100,000.

Tenn., Humboldt — Central Avenue Christian Church plans to erect superstructure of building; foundation and basement completed; brick purchased. Address The Pastor.

Tenn., Knoxville — Broad Street M. E. Church South, Broadway and Fifth Ave., Rev. H. E. Kelso, Pastor, plans to rebuild structure noted burned at \$50,000 loss, probably on another site.

Tenn., Ruthton — T. W. Barnett is Pres. Treas. of committee to erect Flora Union Chapel at Holston Valley and Holston River Pikes.

Tex., Breckenridge — Christian Church will erect \$75,000 building; semi-fireproof, 2 stories and sub-story, face brick, stone trim; Clyde H. Woodruff, Archt., Reynolds Mldg., Fort Worth.

Tex., Dallas — Rosemont Christian Church has resumed work on plans for building, Tyler and Center Sts., Oak Cliff; 2 stories, 79x93 ft., brick and stone; Arthur A. Brown, Archt., Western Independent Bldg.*

Tex., Staples — Baptist Church, Taylor Thomas, Chmn. Bldg. Comm., will erect brick veneer and concrete building auditorium, classrooms and basement; Will Noonan, Archt., Moore Bldg., San Antonio.

Va., Galax — Methodist Church, Rev. French Wampler, Pastor, plans to erect \$50,000 building.

W. Va., Charleston — George Wesley Atkinson Memorial M. E. Church purchased site from Wm. Baker Hall, State House, for building in Kanawha City.

City and County

Fla., Avon Park — Municipal Building, Band Stand, etc. — City, G. L. Crews, Clk., will vote Dec. 12 (lately noted to vote Nov. 18) on \$175,000 bonds, including \$25,000 for site and erection of combined municipal building, library and fire station, bonds for band and grandstand, etc.*

D. C., Washington — Fire Station — District Commissioners, Room 569, District Bldg., are reported to take bids about Jan. 1 for brick fire station, Conduit Rd. and Reservoir St., N. W.; cost \$56,000, 1 story, 75x75 ft.; plans by A. L. Harris, Municipal Archt., District Bldg.*

Ga., Atlanta — Library Addition — Hentz, Reid & Adler, 1330 Candler Bldg., have prepared plans for \$50,000 second-story addition to Carnegie Library, Miss Tommie Dora Barker, Librarian.

Md., Baltimore — Police Building — Board of Awards, Mayor Howard W. Jackson, Pres., has low bid at \$998,800 from Sinclair & Grigg, Philadelphia, for Police Headquarters building, Fallsway and Lexington St.; Josias Pennington, Archt., Professional Bldg.; Richard D. Kimball, Mech. Engr., 15 E. 38th St.; Warren C. Chapin, Struct. Engr., 37 Madison Ave., both New York City.

Md., Chestertown — Jail Remodeling — Kent County plans to remodel and enlarge jail. Address County Comms.

Md., Cumberland — Courthouse Annex — Alleghany County Comms. will call for bids November 25, to be opened December 9, for brick and stone addition on east side of courthouse; cost \$50,000; furnishings, equipment, etc., \$15,000; stone and brick foundation, 2 stories and basement, 33.3x50.3 ft., maple and concrete floors, 4-ply built-up roof; major items to be purchased include steel, brick, new elevator and heating boilers, plumbing fixtures, cut stone, moulded brick, maple flooring. Address T. W. Biddle, Jr., Archt., Boulevard Hotel.*

Miss., Clarksdale — Jail — Coahoma County,

M. J. Bouldin, Pres., Board of Supervisors, will erect \$65,000 jail 2 stories, brick and stone, accommodate 50 prisoners; Frank Gates, Archt.

Mo., Benton—Residence, County Home and Jail—Scott County Court is having plans prepared by A. F. Lindsay, Silkeston, for sheriff's residence to replace burned structure; Tom Scott, Deputy Sheriff; County is also considering erection of county home and jail buildings.

N. C., Raleigh—Fire Stations, Jail—City, E. E. Culbreth, Mayor, is considering bond election for additional fire stations.

Okla., Hominy—City Hall—City, Mrs. Mabel Bassett, Commr. of Charities and Corrections, has completed plans for 2-story 46x60-ft. addition to city hall for courtroom, police headquarters, jail, etc.*

Okla., Pond Creek—City Hall—Chamber of Commerce is interested in \$10,000 city hall bond election.

S. C., Columbia—Stadium, etc.—City, W. A. Coleman, Mayor, plans to erect stadium in Maxey Gregg Park and improve Newman's Park; 3 members of City Council will appropriate \$100,000 toward such work.

Tenn., Greeneville—Jail—Green County, J. W. Howard, Sec. Bldg. Comm., will receive bids December 8 for jail; reinforced concrete, 3 stories, built-up roof, steam heat, electric lights; plans and specifications seen by calling on Bldg. Comm. and may be had from C. A. Tarwater, Archt., 613 Market St., Knoxville, or Sec.*

Tex., Dallas—Municipal Auditorium—City, Harry A. Olmsted, Chmn. Auditorium Bldg. Comm., will probably open bldgs about December 15 for Spanish type municipal auditorium at Fair Grounds; cost without furnishings and equipment, \$425,000; concrete, steel and pressed face brick with artificial stone and gray tile trim, entire stage and stairways fireproof; remainder semi-fireproof, 24x236 ft., concrete floors and foundation, composition roof, hollow and interior tile, ventilators, ornamental terra cotta, steel sash; Lang & Witchell, Archts., American Exchange Bank Bldg.; E. J. Russell, Consit. Archt., 5814 Cabane St., St. Louis.*

Tex., Plainview—Jail—Hale County, Meade F. Griffin, County Judge, Courthouse, will receive bids Dec. 12 for jail building containing steel cages, cells and appurtenances; brick and concrete; plans and specifications seen at office County Clerk, Courthouse, and at main office Southern Steel Co., South Presa St., San Antonio.*

Dwellings

Ala., Birmingham—Dr. J. A. Bagley, 931 N. 44th St., will erect residence, 1008 Forty-fifth St. N.

Ala., Birmingham—R. H. Smith will erect residence, 2814 Ensley St.

Ala., Birmingham—W. J. Thomas, 6031 Second Ave. S., will erect residence, 1605 Huntsville Ave.

Ark., Little Rock—Stephen Bryel will erect residence, 4909 Prospect Ave.

Ark., Little Rock—Walter Cotten, 5219 H St., will erect dwellings, 4304 W. 25th and 1222 N. Polk Sts.

Ark., Little Rock—H. T. Hale, 3516 W. Tenth St., will erect residence, 310 High St.

Fla., Avon Park—Park Investment Co., John D. Raab, Pres., will erect 15 Spanish type dwellings; total cost \$125,000; plans to erect 50 additional dwellings upon completion of first lot; Chas. P. Nelder, Archt., Miami.

Fla., Hollywood—Frank Horsebine and O.

Worrell, both Chicago, will erect 10 stucco bungalows, Lincoln St. opposite Lincoln Hotel.

Fla., Miami—John A. Campbell Organization, Green Tree Inn Bldg., plans to erect number of dwellings.

Fla., Orange City—Near Realty Co. of New York, Wm. Fleming, Resident Mgr., Orange City, reported to erect several hundred dwellings, W. New York Ave.

Fla., Sarasota—Mrs. M. A. McAdow, Brantam, Mich., will erect \$75,000 residence, Treasure Island; hollow tile and stucco, tile work in baths and living rooms, ornamental bronze work by Oneoco Ornamental Iron Works; Martin-Hosmer Studios, Archts., Sarasota and Fort Myers.

Fla., Sarasota—J. W. Shaw, Gary, Ind., will erect residence.

Fla., St. Petersburg—Clarkson & Fowlard will erect four frame dwellings and garages, E-525, E-535, E-545 Eighteenth Ave., N., and E-616 Seventeenth Ave., N.; cost \$10,000 each, 2 stories, 7 rooms.

Fla., Stuart—Pfeiffer & O'Reilly, Lemon City and Miami, have drawn plans for 10 dwellings on St. Lucie Estates, S. M. Atkin, Sales Mgr.; total cost \$100,000; R. L. Robb, Contr.

Fla., West Palm Beach—E. U. Roddy will erect 9 Spanish type tile dwellings and garages, Upland Rd., Sunshine Park; 24x35 ft. and 10x18 ft.; total cost \$22,500.

La., Monroe—L. C. Schneider, 417 Breard St., will erect \$10,000 residence, K St. near Fourth St.; frame, 1 story, 7 rooms; R. E. Williams, Contr.

Md., Baltimore—Jos. Peters, Elsa Terrace and 41st St., will erect 7 brick dwellings, 1201-13 W. 41st St.; 2 stories; total cost \$28,000.

Md., Baltimore—J & E Construction Co., 41st St. and E. Falls Rd., will erect 10 brick dwellings, W. 41st St.; 2 stories; total cost \$3,000.

Md., Baltimore—Geo. L. Schnader, 115 N. Chester St., will erect 10 brick dwellings, N. E. cor. George Place and Lewin Ave.; 2 stories; total cost \$75,000.

Md., Baltimore—Peyton B. Strobel Co., Munsey Bldg., will erect \$12,000 residence and garage, S. E. cor. Highfield and Marlow Sts.

Md., Baltimore—Jerome Benesch, care Isaac Benesch & Sons, 541 N. Gay St., will erect \$25,000 residence, Park Heights Ave.; 2½ stories, frame and brick; Benjamin Frank, Archt., 328 N. Charles St.; Jas. Posey, Mech. Engr., 1309 Lexington Bldg.

Md., Baltimore—M. Lee Cohen, Equitable Bldg., has plans by David Sills, 402 St. Paul St., for 4 Colonial dwellings, Park Heights Ave.; 2½ stories, 46x30 ft., hollow tile and stucco; total cost \$35,000.*

Md., Baltimore—J. H. Dimling will erect 10-room residence, Oakley Rd., Hill Top Park.

Md., Baltimore—Frank W. Gischel, 501 Church St., Curtis Bay, will erect 5 brick dwellings, S. E. cor. Fairview and Cypress Aves.; 15x40x26-ft., 2 stories; total cost about \$15,000.

Md., Baltimore—Homes Development Co., subsidiary of Peyton B. Strobel Co., Munsey Bldg., will erect 12 dwellings at Forham Court, Ford's Lane near Maryland Country Club; cost \$25,000 each; T. Worth Jamison, Jr., 205 St. Martins Rd.

Md., Baltimore—J. Albert Marriott, Jr., will erect 20 dwellings on Milford Mill Rd. near Liberty Rd., Rockdale; total cost about \$70,000.

Mo., Kansas City—J. E. Hutt, Pres., Hutt

Construction Co., 406 Waisix Bldg., contemplates erecting \$30,000 residence, Oakwood Rd. and Colonial St.; 2 stories and basement, brick.

Mo., Kansas City—C. S. Vardeman, Pres., Missouri Abstract & Guaranty Co., 920 Walnut St., will erect brick, tile and stucco residence, 58th St. and State Line Rd.; 2 stories and basement, 31x66-ft.; Franklin & Lang, Archts., 400 Reliance Bldg.

Mo., Neosho—Austin Snead, County Clk., will erect 6-room bungalow, Harmony St.

Mo., St. Joseph—Hutchinson Lumber Co., 14th and Mitchell Sts., will erect dwelling, 2846 Mitchell St.

Mo., St. Joseph—Arthur Jagers will erect frame and stucco residence, 2904 Angelique St.

Mo., St. Joseph—Mrs. Amanda Schmidt will erect brick residence, 2412 Frederick Ave.

Mo., St. Louis—Mrs. D. Hilke, care Hiram Phipps, Archt., 4162 Castleman Ave., is reported to erect \$18,000 residence and garage, 5822 Julian Ave.; 2 stories, 38x29 ft., brick.

Mo., St. Louis—Otto Wetterau, Vice-Pres., G. H. Wetterau & Sons Grocery Co., 3508 Wyoming St., will erect \$16,000 residence and garage, Kingshighway Park; 2 stories, 36x30 ft., brick; Hoener, Baum & Froese, Archts., 3603 Laclede Ave.

Mo., St. Louis—Webster Tileon, 4915 Argyle St., will erect \$85,000 residence and garage, Ladue and Warson Rds.; 2 stories, 99x56 ft., stone; Jamieson & Spear, Archts., Arcade Bldg.; H. H. Pumphrey, Constr. Engr., Chemical Bldg.

N. C., Charlotte—Piedmont Land Co. will erect \$12,000 dwelling, 600 Hawthorne Lane.

N. C., Pelham—L. N. Dibrell will erect \$18,000 residence on 200-acre tract, Mayfield Rd., 2½ miles from Pelham; 2 stories, 10 rooms, stucco; Heard & Chesterman, Archts., Danville, Va.; receiving bids.

Okla., Claremore—Methodist Church will erect parsonage and remodel present one into Sunday school. Address The Pastor.

S. C., Columbia—Jas. Parker will erect residence; Arthur W. Hamby, Archt.

Tenn., Knoxville—Floyd L. Ambrister & Sons, Bearden, Tenn., will erect 5 dwellings, Southland Park, Vestal; 4 and 5 rooms, frame, cost about \$2000 each.

Tenn., Knoxville—O. C. Beaman will erect Dutch Colonial residence, 3300 block McCallie Ave.; 6 rooms, tile bath, showers; A. E. Gredig, Archt., Mercantile Bldg.

Tenn., Knoxville—Jarnigan & Pettigrew will erect 14-room Colonial duplex residence off Kingston Pike, Hillvale; brick veneer, slate roof, glass sun parlor, 2 garages; Barber & McMurry, Archts., 425 W. Clinch Ave.

Tex., Dallas—Home Financing Co., Linz Bldg., will erect 3 brick veneer cottages, 3519 Overbrook and 4314-18 Cedar Springs Sts.; 5 and 6 rooms; total cost \$19,000.

Tex., Houston—W. Wilson, 618 Sul Ross St., will erect \$10,000 eight-room brick veneer residence and garage, 2004 Colquitt St., Dearborn Place addition.

Tex., Houston—Geo. Howard, Pres. San Jacinto Trust Co., will erect residence North Boulevard; drawing plans.

Tex., Houston—Walter Walne, Commercial Bank Bldg., will erect residence, South Boulevard; drawing plans.

W. Va., Ellenboro—Jacob S. Griffith, Jr., plans to erect residence on 10-acre tract.

Government and State

Ark., Gassville—Post Office — Miss Stella Coffee will erect post office and business building.

Government and State

Tex., Eagle Pass—Custom House—Eagle Pass & Piedras Negras Bridge Co., O. C. Meyer, Pres., will erect buildings for Government agencies at each end of bridge to be constructed over Rio Grande River; 1 story and basement, 50x100 ft., wood floors, concrete foundations, plaster board, ventilators, prepared composition roofs; plans by Terrell Bartlett, Engr., 612 Calcasieu Bldg., San Antonio; Mr. Meyer advises bids will be likely asked for bridge and buildings together.*

Hospitals, Sanitariums, Etc.

D. C., Washington—District Commissioners, office Ch. Clk., Engineering Dept., Room 427 District Bldg., is reported to erect \$160,000 Domestic building addition at Gallinger Municipal Hospital; 2 stories and basement, 75x200 ft., brick, stone trim, fireproof; plans by A. L. Harris, Municipal Archt., District Bldg.

Fla., Sarasota—Welfare Assn., Homer Howard, member Bldg., Finance Comm., is interested in erection of County hospital.*

Ga., Atlanta—Georgia Baptist Convention, Dr. Milo H. Massey, Americus, interested, authorized \$500,000 bond issue for new building for Georgia Baptist Hospital.

Mo., St. Joseph—City, Dr. L. Beck, Health Officer, W. K. Seitz, City Engr., selected Eugene Meier, Lincoln Bldg., as architect for contagious disease hospital, 11th St. north of Lake Blvd.; 2 stories, 30 to 60 beds, terrazzo floors, concrete foundation, hollow and interior tile, metal ceilings and doors, ventilators, ornamental terra cotta, steel sash and trim, wire glass, tile roof; no elevator.*

Tenn., Humboldt—Chamber of Commerce is interested in erection of hospital.

Tex., Paris—Lamar County, W. D. Lawrence, Judge, selected Flint & Broad, 606 Melba Bldg., Dallas, as architects, and Curtis & Lighfoot, Paris, as asso. architects, for \$125,000 hospital; brick, concrete and stone; bonds lately noted voted.*

Tex., San Antonio—State Board of Control, S. B. Cowell, Chmn., Austin, will have plans ready about December 6 for bids on remodeling 2 buildings at Southwest Texas Hospital for Insane; Phelps & DeWees, Archts., Gunter Bldg.

Tex., Temple—Gulf, Colorado & Santa Fe R. R., S. F. Clapp, Gen. Foreman, Bridges and Bldgs., are having plans prepared by Engineering Dept. for \$125,000 addition to Employees' Hospital; 4 stories, brick and concrete; probably day labor.

W. Va., Maggie—State Board of Control, J. S. Lakin, Pres., State Capitol, Charleston, rejected bids for fireproof kitchen building and will not take new bids until after May; structure, 2 stories, 92x60 ft. with 1 story 57x45 ft. projecting L; basement under all; Davis, Dunlap & Barney, Archts., Bresser Bldg., 1713 Sansome St., Philadelphia, Pa.*

Hotels and Apartments

Fla., Daytona Beach—Peninsular Holding Corp. has permit for \$40,000 swimming pool on beach in front of Daytona Beach Hotel; reinforced concrete.

Fla., Fort Lauderdale—W. B. Jones has plans in preparation by Charles P. Nieder, Oklahoma City, Okla., for 3 concrete and tile apartment houses at corner Brickell Blvd. and Avenue A; each building will have living room, dining room, wardrobe and Murphy bed, bedroom, bathroom with built-in tub, furnished; garages on grounds.

Fla., Fort Lauderdale—W. C. Kyle, J. Hinton, Dr. Scott Edwards, W. J. Reed and others are interested in organization of local stock

company for financing and erecting 150-room, waterfront winter hotel.

Fla., Hollywood—Frank Horsebine and O. Owra, both Chicago, plan to erect apartment houses.

Fla., Miami—W. I. Peters purchased 4 lots in Liberty Park and plans to erect apartment house in summer.

Fla., Miami Beach—J. C. Diffin, builder, announced plans for erection of \$150,000 hotel on Washington Ave., first wing to contain 72 rooms; will add another wing later; leased to Mr. Hood of Fort Worth, Tex.

Fla., Miami—Cubahama Beach Development Co. contemplates development program at Boca Chica Key, to include 30-room hotel, fishing lodge and 6 private lodges.

Fla., Miami—R. A. Gordon, 405 N. Jackson St., Atlanta, Ga., will erect \$25,000, 8-family apartment building on S. W. Third St.

Fla., Miami—Harry B. and L. J. Lembach and Rex Humphrey of Detroit, Mich., purchased site 170x125 ft., at junction of Tamiami Trail and Flagler Blvd., and contemplate erecting building to contain store rooms and lobby on first floor with 50 to 100 guest rooms above.

Fla., Sarasota—Morris Kaye, 645 E. Tramont St., and J. W. Levy, both of New York City will erect 54 apartments at Central and 11th Sts. to have suites of 3 rooms each with bath, in addition to 2 bungalows under construction on Ninth St.

Fla., Sarasota—Siesta Beach, A. S. Skinner, Selling Agent, Lord's Arcade, announced plans for erection of clubhouse, golf course and hotel, the first unit to comprise 50 rooms, at Siesta Beach on Siesta Key, near Sarasota.

Fla., Tampa—E. W. Hensley of N. W. Hensley & Co., and A. E. J. Anderson, both Stovall Bldg., have purchased property at corner Hyde Park Ave. and Platt St., 141x140 ft., with view of constructing \$1,000,000 hotel.

Ky., Barbourville—National Bank of John A. Black will expend \$60,000 to remodel Hotel Jones; enlarge banking quarters.

Mo., St. Louis—Erick Realty Co., Park Savings Trust Co., 7060 Clayton St., will erect \$16,000, 1-story, brick, 4-family flat building in Carr's Re-subdivision, Richmond Heights; 37x53 ft.; owner builds.

Mo., St. Louis—Harry A. and Bessie L. Roemer contemplate erecting apartment house at N. E. cor. W. Cabanne Place and Catalpa St.

Mo., Springfield—Sprinkle Estate of Tulsa, Okla., contemplates converting Ozark Hotel building, N. E. cor. Benton Ave. and Commercial St., into apartment building.

N. C., Concord—Chamber of Commerce, H. W. Blanks, Sec., reports that campaign for raising \$375,000 for new hotel was successfully completed; plans and bids will be let immediately and work will begin in early spring.*

N. C., Winston-Salem—Roaring Gap, Inc., Leonard Tufts, Pres., Pinehurst, will soon start; will build additional 9 holes of golf date 100 guests; will expend \$500,000 at once on development; completed building will accommodate 500 guests; plans include lake to cover 35 acres and work on dam will soon start; will build additional 9 holes of golf course; Porter & Beck, Greenville, has started excavation for site; Chas. Barton Keene, Archt., 1218 Chestnut St., Philadelphia, Pa.; Donald J. Ross, Southern Pine, golf course designer.*

Okla., Oklahoma City—A. C. Kreipke, Hersh Bldg., heads company for erection of \$700,000 fireproof apartment building at intersection of Sharpe and Classen Blvd., to contain 120 apartments; 2 and 3-room efficiency type; also have roof garden, sun room, children's play room, lobby and dining hall; plans being completed by Layton, Smith & Forsythe, Archts., Braniff Bldg.; work to start in 30 to 40 days.

Okla., Tulsa—Henry R. Ketchum, owner of Hotel Tulsa, Third & Cincinnati Sts., reported to have completed plans for erection of 10-story addition to cost about \$500,000; will include 2-story ballroom, banquet room, 5 private dining rooms and 150 rooms with bath; work to start within next year.

S. C., Columbia—Charles D. Gordon, Mgr. of De Soto Hotel, has taken over management of Imperial Hotel on Main St. and will expend between \$25,000 and \$50,000 for refurnishing and improving.

Tenn., Chattanooga—Judge Martin Fleming, Times Bldg., will convert second floor of 200 to 214 E. Ninth St. into colored hotel; leased to Robert Martin.

Tenn., Chattanooga—The Read House Co., care Sam R. Read, 600 Vine St., selected Holabird & Roche, 1400 Monroe Bldg., Chicago, Ill., to prepare plans for \$1,000,000 10 or 12 story, 140x185 ft. hotel on site of present Read House; will leave 150 rooms of present building; cost of equipment, furnishings, etc., \$200,000; will ask for bids about Feb. 1 and will contract for furnishings as soon as general contract is let.*

Tenn., Knoxville—Farragut Hotel, 526 S. Gay St., contemplates 100-room addition to be erected over main dining room; Wm. C. Ross, Mayor Ben A. Morton and Alfred Sanford are leading stockholders.

Tenn., Beeville—Beeville Hotel Co., Jesse A. Chase, Sec., rejected all bids for erection of 50-room Kohler Hotel; plans revised by W. C. Stephenson and will call for new bids this week; cost \$75,000, reinforced concrete frame, hollow tile walls, stucco finish, 3 stories and basement, 65x120 ft., concrete floors, tile lobby, electric elevator and hand power freight elevator.*

Tenn., San Antonio—Carvel & Co. will erect \$10,000 apartment building on North Alamo Street.

Tenn., San Antonio—Jack V. Rowan, Tampico, Mexico, does not contemplate erecting \$100,000 apartment building at Breeden and Mistletoe Aves., as recently reported.*

Tenn., San Antonio—J. M. Nix, owner of Elane Hotel, N. St. Marys St., expects work to start after first of year on remodeling and alterations; plans include 5-story addition with 121 rooms; part of ground floor will be converted into stores; Henry T. Phelps, Archt., Hicks Bldg., San Antonio.

Tenn., San Antonio—Ben Katz, 1025 San Pedro Ave., will erect \$12,000, 20-room apartment house on San Pedro Ave.

W. Va., Wheeling—W. H. Morgan, 103 Seventeenth St., will erect \$14,000, 4-family apartment building at 117 Seventeenth St.

Miscellaneous

Ala., Mobile—Undertaking Establishment—Higgins & Courtney Undertaking Co. purchased property at N. W. cor. Government and Scotts Sts., as site for funeral home.

Ark., Little Rock—T. E. Ware, 1815 Allis St., will erect brick veneer building at 226 Brown St.

Fla., Sarasota—Fair Building—Sarasota County Fair Assn. Board of Directors, Mr. Townsend, Pres., contemplates erecting 100x100 ft. automobile display building.

Fla., St. Petersburg—William Richman purchased lot at 450 Central Ave., 50x150-ft., and contemplates erecting 3-story building in spring.

Fla., St. Petersburg—Clubhouse—Bear Creek County Club has plans in progress by Dwight J. Baum, Spuyten Duyvil Pkwy. and Waldo Ave., New York City, for \$200,000, 150x300 ft., 2-story golf and country club; tile roof, concrete foundation, tile and wood floors, hollow tile, interior tile; cost of equipment, furnishings, etc., \$100,000.*

Fla., Venice—Clubhouse—Lauderdale Anglers' Club will soon start work on clubhouse to cost \$20,000; tile and stucco, reception room 30x60 ft., with beamed ceiling, buffet dining room, lounge room, smoking room, women's rest room and locker rooms; Italian design; Commodore A. H. Brook will landscape; ways and means committee composed of Dr. Scott Edwards, George Parrish, Charles Link and others; J. M. Peterman, Archt., will supervise construction.

La., Monroe—Clubhouse—Riverside Country Club has plans by J. W. Smith, Ouachita Bank Bldg., and will open bids this week for 1-story, Colonial style, 105x100 ft., frame country club; pine and maple floors, concrete foundation, plaster board, asbestos shingle roof.*

La., New Orleans—W. A. Caplis purchased frame building and lot fronting 50 ft. on Seventieth St. and plans to erect 2 or 3-story building on site.

Md., Baltimore—Maryland Bible Society, 9 E. Franklin St., has plans by Wm. W. Emmart, Union Trust Bldg., and is taking bids for remodeling to cost \$50,000 plans call for new limestone front of Gothic design, interior alterations and 3-story addition, install elevator; convert second floor into offices.

Md., Frederick—Clubhouse—Federation of Rural Women's Clubs, Mrs. A. G. McKinney, Pres., contemplates erecting clubhouse.

Tex., San Antonio—Exposition—International Exposition, Judge W. A. Wurzbach, Pres., Alamo Bank Bldg., employed R. J. Pearse, Des Moines, Iowa, to prepare drawings of grounds for Exposition; will expend \$300,000 on initial unit; plans to construct 2 exhibition halls to be fireproof, hollow tile and stucco, mission style architecture.

Va., Lynchburg—Orphanage—Presbyterian Orphanage, Boonsboro Rd., contemplates erecting boys' dormitory.

Railway Stations, Sheds, Etc.

Fla., Center Hill—Seaboard Air Line Rwy. Co., Chas. R. Capps, Vice-Pres., Norfolk, Va., is reported to contemplate erecting \$20,000 depot.

Fla., Lake Wales—Seaboard Air Line Rwy. Co., Chas. R. Capps, Vice-Pres., Norfolk, Va., is reported to contemplate erecting depot at West Lake Wales; stucco finish, Spanish design, tile roof, 22x111 ft., train platform and umbrella sheds 311 ft.

Tenn., Harriman—Southern Railway System, Henry W. Miller, Vice-Pres., Washington, D. C., will soon start work on 25-ft. addition and rearrangement of interior of station.

Schools

Ala., Birmingham—Jefferson County Board of Education will soon sell \$500,000 bonds, recently voted, for erecting grammar school at Boyles, high and grammar at Brighton and High School at West Jefferson; will erect others later.*

D. C., Washington—District Commission-

ers, Room 509 District Bldg., will receive bids until December 9, for erecting J. F. Cook School on P St., between First and N. Capitol Sts., N. W.; for information apply Room 427, District Bldg.

Fla., Clearwater—Pinellas County Board of Public Instruction, R. S. Blanton, Supt., plans election soon on \$200,000; Gulfport District; will vote about \$100,000 bonds for new building, Pass-a-Grille and alterations, Child's Park school; election for about \$100,000 will be called soon in Clearwater.*

Fla., Lake Worth—Board of Trustees, W. A. Boutwell, Chmn., announced immediate construction of first 3-room unit of grade school to be erected on high school grounds and be first unit of 3 ward schools to be erected soon; contemplate \$125,000 bond election.

Fla., Leesburg—Parent-Teacher Assn., Mrs. W. E. Miller, Pres., is promoting erection of school plant; Alan J. MacDonough, Kissimmee, offered tentative sketches.

Fla., Miami—Miami High School Parent-Teacher Assn., Mrs. W. B. Mell, Pres., contemplates erection of gymnasium to cost from \$75,000 to \$100,000.

Fla., Tampa—Hillsborough County Board of Public Instruction, J. E. Knight, Sec., rejected all bids for brick school building in Ballast Point; will readvertise for new bids; C. Frank Galliher, Archt., 833 S. Dakota St., Tampa.*

Ga., Atlanta—Fulton County Board of Education selected Hentz, Reid & Adler, 1330 Candler Bldg., to prepare plans for \$200,000 high school in Beall Park, Washington St. and Woodward Ave.*

Ky., Paducah—High School building at Paducah: loss \$25,000; address Board of Education.

La., Pineville—Pineville School District No. 28 voted \$20,000 bonds for improvement, repair and equipment of grammar school and tax for erecting and equipping negro school and additions to building.

La., Shreveport—Louisiana State Baptists Convention accepted report of M. E. Dodd Foundation, 4524 Fairfield Ave., for establishing girls' college of vocational and fine arts; Rev. E. O. Ware, Alexandria; Rev. W. H. Knight, 2020 Government St., Baton Rouge; L. T. Hastings, 2014 Prytania St., New Orleans, and others are members of committee.

La., Springhill—Springhill School District will call election Dec. 5 to vote \$50,000 bonds for erecting school building; address Board of Trustees.

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., will receive bids until Dec. 3, for erection, heating and ventilating, plumbing and vacuum cleaning systems, and electric wiring and fixtures for addition to Pimlico School, Pimlico Road and Thorndale Ave.; all bids to be left with Frederick A. Dolfield, City Register, City Hall; drawings and specifications may be seen at office of H. G. Perrling, Supervising Engineer of Public Improvement Commission, Hearst Tower Bldg.

Md., Baltimore—Hebrew Educational Society has plans by Edwin H. C. Browne, 402 St. Paul Place, and is calling for bids for erecting Ezra Hebrew School on Shirley Ave., east of Reisterstown Road, to cost \$60,000; 2 stories, fireproof, ornamental design, accommodate 300 pupils, contain assembly hall, library, offices, etc.

Md., Bowie—State of Maryland, Board of Education, Albert Cook, Supt., Lexington Bldg., Baltimore, approved plans for additions to Colored Normal School; plans include rebuilding administration building and addition

of 2 wings to girls' dormitory; \$90,000 available.

Md., Laurel—Home—District Commissioners, Room 509, District Bldg., Washington, will receive bids Dec. 5 for mess hall and dormitory at Home for Feeble-Minded near Laurel; information from Room 427, District Bldg.*

Md., Salisbury—Wicomico County Board of Education, J. M. Bennett, Sec., will receive bids until Dec. 2 for Green Hill School building.

Miss., Magnolia—Pike County Commissioners will call election Nov. 28 to vote \$25,000 for rebuilding girls' dormitory and new mess hall and for better system of fire protection at Pike County Agricultural High School; work under way.*

Miss., New Albany—Mayor and Board of Aldermen of New Albany Separate School District will call election Dec. 4 to vote \$90,000 bonds for repairs to present building and erecting high school.

Mo., Joplin—St. Peter's Catholic Church, care Rev. Father W. P. Brophy, 812 Pearl St., launched campaign for \$50,000 for erecting parish school.

N. C., Raleigh—Boylan Heights Improvement Assn., Chas. Hardesty, Chmn. of Committee, 232 S. Boylan Ave., offered property in Boylan Heights to School Board, for erection of school.

N. C., Salisbury—Board of Education will receive bids until December 12 at office of Supt., Ellis St., for erecting high school building after plans by C. Gadsden Sayre, Archt., Greensboro; receive bids at same time for heating and ventilating, plumbing and electric wiring; plans and specifications may be seen at Chamber of Commerce, Greensboro and Charlotte, and obtained from Architect; plans and specifications for heating and ventilating may be secured from Wiley & Wilson, Cons'l. Engrs., Peoples National Bank Bldg., Lynchburg, Va.

Okla., Red Fork—Red Fork School District voted \$95,000 bonds for erecting school; address Board of Trustees.

Okla., Tulsa—Board of Education, Frank E. Duncan, Pres., Administration Bldg., opened bids for erection of Mark Twain School, blocks 15 and 16 of Verndale Addition; Leland I. Shumway, Archt., 725-6 Wright Bldg.

Okla., Vera—Board of Education selected Stewart Construction Co., First National Bank Building, Oklahoma City, to prepare plans for High School.

S. C., Elko—Elko School District No. 28 voted \$12,000 school bonds; address Board of Trustees.*

Tenn., Erwin—Unicoi County and City defeated \$35,000 school improvement bonds.*

Tenn., Knoxville—C. A. Tarwater, Archt., 613 Market St., advises work is held over until spring on proposed addition to Karnes High School building.*

Tenn., Nashville—Board of Education, H. C. Weber, Supt., contemplates erecting junior high school at 46th Ave. on Park property.

Texas — Rev. M. F. Kretzman, Kendallville, Ind., and W. H. Schlueter, 4500 Holly St., St. Louis, Mo., representatives of Board of general directors of Lutheran Missouri Synod, meet at Waco this week with Lutheran Missouri Synod of Texas, Rev. H. C. Gaertner, Malone, Chmn., to select site for proposed college; cities bidding are Waco, Dallas, Marlin, Temple, Austin, Giddings, LaGrange and Mexia.

Tex., Beaumont — School Board, J. D. Roberts, Pres., has plans by A. Babin, Archt., for Board, 15 Blanchette Bldg., and is calling for bids for high school gymnasium; \$35,000 available.

Tex., Beaumont—Board of Education, District No. 5, Virgil McPhail, Sec., has plans in progress by Livesay & Wiedemann, 447 V. Wiess Bldg., Beaumont, for 1-story, brick and reinforced concrete school building; \$60,000 bonds recently voted.*

Tex., Bellaire—Harris County School Commissioners will have plans ready for bids about Dec. 15 by H. F. Jonas & Tabor, Union Natl. Bank Bldg., and R. D. Steele, First Natl. Bank Bldg., Asso. Archts., Houston, for 2-story annex to Girls' School; slate-surfaced shingle roof, hollow tile, stucco exterior, hot water heat, septic tank, electric wiring and lights.*

Tex., Lubbock—Board of Regents of Technological College opened bids for erection of power house; Shane & Dickey, 1514 Buena Vista St., San Antonio, low bidder; Sangunet, Staats & Hedrick, Archts., First Natl. Bank Bldg., Fort Worth; Wm. Ward Watkins, Asso. Archt., Scanlan Bldg., Houston; L. W. Robert of Robert & Co., Const. Engr., Tuft Bldg., Atlanta, Ga.*

Tex., Plainview—City voted \$120,000 bonds for erecting high school building; address J. F. Sanders, Sec. Board of Trustees.*

Tex., Temple—Board of Education, Dr. O. F. Gober, Pres., contemplates calling school bond election for \$250,000 to \$300,000.

Va., Highland Springs—Henrico County Board of Education, A. C. Cooper, Supt., will receive bids until Dec. 4, at office Charles M. Robinson, Archt., 1102 Times-Dispatch Bldg., both Richmond, for erecting High School building; separate bids on heating; plans and specifications may be obtained from Archts.

Va., Radford—School Board voted to purchase 11-acre tract on Adams Place, as site for High School building.

Va., Richmond—City Council contemplates \$1,000,000 bond election for school construction and enlargement.

Va., Woodstock—Massanutten Military Academy selected Holmboe & Pogue, Clarksburg, W. Va., to prepare plans for 5-story boys' dormitory.

W. Va., Bluefield—Adkin District colored high school; address Board of Education.

W. Va., Wheeling—Linsky Institute, 1413 Coff St., Board of Directors, Otto Schonck, Pres., has started campaign for \$400,000; plans by C. W. Bates, 77 Twelfth St., for \$100,000, 3-story and basement, brick and tile school building on Thedal Place.

Stores

Ark., Paragould—James R. Gentry will soon erect three 1-story business buildings on Hunt St.

Ark., Sulphur Rock—Sam Parks will erect store building.

Ark., Texarkana—H. V. Beasley will erect 5-story business house at Third and Pine Sts.

Fla., Cocoa—United Realty Co. will erect store and apartment building at Brevard Ave. and Orange St.

Fla., Miami Beach—Joseph Nagengast will erect 4-story room building on South Ocean Drive.

Ga., Atlanta—Rhodes-Haverty Investment Co. will erect \$12,000, 1-story, brick store building at 220-6 Edgewood Ave.

La., New Orleans—Walter Cook Keenan, Liverpool & London & Globe Bldg., opened bids for erection of drug store and residence on De Soto and Esplanade Sts., for Wm. G. McNeil; J. A. Haase, \$23 Gravier St., low bidder at \$12,188.

Miss., Jackson—R. E. Kennington has permit for erection of \$35,000 foundation for new addition to department store on South Congress St.

Okl., Blackwell—S. S. Voight, Wichita, Kansas, opened bids for remodeling and addition to Riehl business building.

Tenn., Kingsport—H. C. Masengill expects work to start in Feb. on 50x100 ft., brick business building on Market St., to be 3 or 4 stories.

Tenn., Memphis—George Canale purchased 3-story and basement store building at 100 N. Main St., and is reported to contemplate extensive improvements.

Tex., Fort Worth—Harry J. Adams will erect \$15,000 store at 504 Lamar St.

Tex., Fort Worth—S. Rotsky, 903 Hemphill St., will erect stores at Jones and 14th Sts. to cost \$12,500.

Tex., Houston—W. W. Glaze will erect business building to cost about \$10,000; reinforced concrete and block, mill construction.

Tex., Laredo—Mrs. Luisa Martin will receive bids until late in Nov. for \$35,000, brick and concrete, 2-story store building; concrete basement; Ryan & Trout, Archts.

Tex., Plainview—Solon Clements will soon start work on 50x140 ft., brick building.

Tex., San Antonio—N. Kallison, 124 So. Flores St., has plans in progress by Harvey P. Smith, 312 National Bank of Commerce Bldg., and expects to start work Jan. 1 on \$75,000, 2-story, 60x400 ft., reinforced concrete foundation, brick and hollow tile walls, store and hotel building on west side 100 block So. Flores St.; tar and gravel roof, metal lath, plaster partitions.*

Theatres

Md., Hyattsville—Arcade Theatre Corp.,

Dr. Wm. Burton Spire, Mount Ranier, Pres., contemplates erecting building, first floor to contain motion picture auditorium to seat 700 and stores with offices above; cost between \$50,000 and \$60,000.

Md., Hyattsville—Hyattsville Amusement Co., Inc., contemplates erecting motion picture theater on Washington-Baltimore Blvd., to cost about \$50,000 or \$60,000.

La., New Orleans—Loew, Inc., Saenger Co., Inc., and Klaw & Erlanger interests placed plans and specifications on market for general contract bids for proposed \$1,000,000 theater on Canal St., between Rampart St. and Elks' Place; fireproof, to seat between 3000 and 3500, white facade trimmed in terra cotta and pressed brick; Thomas W. Lamb, 644 Eighth Ave., New York City, and Nolan & Torre, Canal-Commercial Bldg., Asso. Archts.*

Warehouses

Ga., Bainbridge—C. S. Hodges and others, Cyrene, contemplate erecting \$18,000, 100x300 ft., 1-story tobacco warehouse.*

La., New Orleans—Howard Motor Co. purchased 2 lots, Arkansas Ave. and Second St., and contemplate erecting storage warehouse at early date.

Miss., Vicksburg—Emmich Brothers, 1400 Mulberry St., expect to start work in spring on 75x215 ft., brick and wood warehouse on Levee St.

N. C., Durham—B. W. Fassett will construct \$13,000 storage warehouse on Gregson St.

BUILDING CONTRACTS AWARDED

Association and Fraternal

N. C., Enfield—Masonic Building Co. let contract at \$60,000 to Smoot & Forrest for temple; 3 stories, 120x60 ft., wood floors, concrete foundation, built-up tar and gravel roof; sub-contracts not let; Benton & Benton, Archts., Wilson; work started.*

Tenn., Chattanooga—R. W. Arnold, Gen. Contr., at \$43,298 for temple for Ridgedale Masonic Home Building Corp., Volunteer Bldg., desires sub-bids on metal ceiling; structure to cost about \$60,000 without furnishings and equipment, 3 stories with basement, 50x90 ft., pine and concrete floors, concrete foundation, composition roof, interior tile, metal doors, ventilators, steel sash and trim; heating and plumbing to Knaedler & Meredith; electric work, Rennick Electric Co.; Clarence T. Jones, Archt., James Bldg.*

Tex., San Antonio—Salvation Army Rescue Home, Broadway, will erect nursery annex; will also remodel Salvation Army Hotel in Fort Worth into 100-room, 4-story and basement structure; total cost about \$30,000; Geo. Willis, Archt., Chandler Bldg.; W. A. Johnson, Contr., 408 Elwood Ave., both San Antonio.

Bank and Office

Fla., Jacksonville—Fairfield-Atlantic Bank, D. D. Upchurch, Pres., 319 Laura St., has 1-story tile, brick and stucco bank and store building 50 per cent completed; cost \$25,000; bids closed on equipment, furnishings, etc.; Marsh & Saxonby, Archts., West Bldg.; W. D. Gerbrick & Co., Contrs., U. S. Trust Bldg.*

Ga., Atlanta—J. P. Womack & Sons Co., Inc., are installing fixtures in following bank buildings: Citizens & Southern Bank, Georgia Railroad Bank, both Augusta; Bank of Canton, Canton; Peoples Bank, Appalachia,

Va.; Marine Bank & Trust Co., New Orleans, La.

Mo., St. Louis—Olive & Ninth St., Realty Co., Pierce Bldg., will alter 8-story brick office building, 816-26 Olive St.; cost \$20,000; Independent Quarry and Construction Co., Contr., 1120 Fullerton Bldg.

Mo., St. Louis—Mississippi Valley Structural Steel Co., Decatur, Ill., has contract for 8000 tons steel for Southwestern Bell Telephone Co. \$8,000,000 administration office building, 10th, 11th, Pine and Chestnut Sts.; main section to cost about \$5,000,000 to be erected at this time; Macran, Russell & Crowell, Archts., Chemical Bldg.; W. O. Penwell, Ch. Engr., care owner, Boatman Bank Bldg.; W. J. Wright Engineering Co., Struct. Engrs., Wainwright Bldg.; E. D. Nims, Pres.*

Tex., Corsicana—State National Bank, B. B. Munsey, Pres., let contract for \$365,000 bank and office building to Walker Construction Co., Houston Bldg., San Antonio; Beaton and Collins Sts.; reinforced concrete and terra cotta or stone, 8 stories and full basement, 50.6x95 ft., concrete floors and foundation, vaults, mail chutes, vault lights, ventilators; heating and plumbing to J. C. Korlofth Plumbing & Heating Co., Sherman; electric wiring, Superior Electric Co., 409 S. Ervay St., Dallas; elevators, Otis Elevator Co., New York City and 1820 Young St., Dallas; C. D. Hill & Co., Archts., Central Bank Bldg., Dallas; H. O. Blanding, Asso. Archt., Corsicana. Bids on bank fixtures and vault equipment in about 60 days; cost \$50,000.*

Tex., Port Arthur—Dixie Plumbing & Heating Co., Houston, has contract for plumbing and heating in 6-story and basement office building for John R. Adams; H. C. Mauer, Archt., 950 Spruce St., Beaumont; R. J. Cummings, Struct. Engr., Gulf Bldg., Houston; Jefferson Construction Co., 823 Poydras St.,

New Orleans, contract complete at \$555,396; contract for 2 passenger and 1 freight elevator will probably be let to Otis Elevator Co., 11th Ave. and 26th St., New York City.*

Tex., San Antonio—Medical Arts Building Co., Clifton George, Chmn. Bldg. Comm., let contract for 13-story and basement office building, Avenue E and E. Houston Sts., to J. P. Haynes, Moore Bldg.; cost without furnishings and equipment, \$900,000, 11,000 sq. ft., triangular shape, reinforced concrete foundation, cement and tile floors, copper and tar and gravel roof, hollow and interior tile, metal door, mail chutes, vault lights, ventilators, ornamental terra cotta, rolling partitions, steel sash and trim, wire glass, vapor steam system of heat; Ralph H. Cameron, Archt., City National Bank Bldg.; Willard L. Simpson Co., Engr., National Bank of Commerce; low bids on mechanical equipment lately noted.*

Va., Norfolk—Wm. Sloane, care Wm. Sloane & Co., Louisa and Alleghany Aves., let contract for 9-story reinforced concrete office building, Bute and Duke Sts., to Nichols & Lindemann, Municipal Terminal; cost without furnishings and equipment, \$500,000, 243x49 ft., concrete floors, pile foundation, gravel roof, interior tile, metal doors, steel sash and trim; heating and plumbing to Pickard Co., Inc., 242 W. 24th St.; electric work, Hitt & Brown, 137 W. Charlotte St.; 3 passenger and 1 freight elevator, Otis Elevator Co., New York City and 7 N. Second St., Richmond; Neff & Thompson, Archts., Seaboard Bank Bldg.

Churches

Ark., Conway—St. Joseph Catholic Church, Rev. Jos. A. Pobleschek, Pastor, will erect \$50,000 brick building on percentage basis; 127x60 ft., asbestos or slate roof, wood and concrete floors, concrete foundation, vault lights, ventilators; Ludewig & Dresler, Archts., 3543 Humphrey St.; proposals on furnishings, equipment, etc., costing \$20,000, to be opened Jan. 1. Address Owner.*

Fla., Miami—Riverside Presbyterian Church, S. W. Fifth Ave. and Flagler St., let contract for building, S. W. Third St. near 15th Ave.; concrete block and stucco, 35x82 ft. Address The Pastor.

La., Shreveport—First Presbyterian Church let contract at \$250,000 to Glassell-Wilson Co., 206 Sinclair Bldg., for semi-fireproof English Gothic type church and Sunday-school building, Jordan St.; steel and reinforced concrete frame, rough face brick exterior, stone trim, 3 stories, about 110x212 ft., concrete, oak and pine floors, pile and concrete foundation, slate roof, hollow and interior tile, plaster board, metal doors, ventilators, steel sash and trim, wire glass; heating, plumbing and lighting not let; excavating; Jones, Roessle, Olschner & Wiener, Archts., Ardis Bldg., Shreveport, and 1001 Maison Blanche Bldg., New Orleans.*

Mo., Maysville — Methodist Episcopal Church let contract to C. C. Ebbe, Trenton, for improvements.

N. C., Charlotte—Pegram Street Presbyterian Church, Rev. I. E. Wallace, Pastor, 225 Belvedere Ave., let contract to W. Howard Hobbs, 258 N. McDowell St., for \$20,000 building, 2 stories, flat pine and concrete floors, composition roof, rolling partitions; furnishings, equipment, etc., \$2000; C. C. Hook, Archt., 338 S. Church St.; heating, plumbing and electric work in gen. contract.*

Okla., Tulsa—Second Presbyterian Church, Rev. W. H. Murphy, Jr., Pastor, 2116 E. Archer St., is erecting \$20,000 basement of building by day labor; brick and concrete; Horace G. Thrusby, Archt., 431 Mayo Bldg.

S. C., Columbia—Lafaye & Lafaye have been selected as Supervising Archts. for enlarging main auditorium, remodeling Smith Memorial Chapel and erecting Parish House for First Presbyterian Church; cost \$250,000; R. H. Hunt Co., Archts., James Bldg., Chattanooga, Tenn.; J. C. Heslep, Contr.*

S. C., Edgefield—First Baptist Church, C. A. Ramsey, Chmn. Bldg. Comm., let contract at \$63,847 to Thos. H. Brockman, Edgefield, for Sunday-school building, Delachaise St.; furnishings, etc., about \$8000; 105x126 ft., accommodate 1500, 80x42-ft., social hall and auditorium, 44 classrooms, stage, kitchen, etc., gas and electricity; main auditorium to be remodeled and enlarged upon completion of Sunday school.

Tex., Raymondville—Methodist Church, Rev. Leslie Boone, Pastor, let contract on percentage basis to Wm. A. Orth, Gibbs Bldg., San Antonio, for \$21,000 brick building; auditorium and basement, 44x65 ft., wood and concrete floors, reinforced concrete foundation, tar and gravel roof, hollow tile, hot air heat; equipment, furnishings, etc., \$2500; Ralph H. Cameron, Archt., City National Bank Bldg., San Antonio. Address Rev. Mr. Boone.*

Tex., Whitehouse—Methodist Church let \$12,000 contracts for brick building west of Stone Fort Highway; brick work to J. B. Wilson, Tyler; woodwork, J. B. Wheelock & Son, Troup.

City and County

Ala., Abbeville—Jail Remodeling—Henry County Commissioners' Court let contract at \$9750 to Southern Steel Co., San Antonio, Tex., and Birmingham, to remodel jail; case hardened steel and concrete construction, heating plants, baths.

La., Arcadia—Jail Remodeling—Bienville Parish Police Jury let contract to remodel jail; new concrete floors and roof; tool-proof walls, floors, ceilings and cages; hospital and insane wards; plumbing.

Md., Rockville—Fire Station—Rockville Volunteer Fire Dept., Clifford H. Robertson, Chmn. Bldg. Comm., let contract for \$25,000 fire engine house and headquarters building to F. H. Karn; 2 stories, 50x70 ft., brick and hollow tile; A. H. Sonneman, Archt., 1514 K St. N. W., Washington.

Tex., Dallas—University Park Municipal Building—University Park City Council let contract at \$13,297 to E. F. Merrell, 5228 Belmont St., for fireproof combination city hall and fire station, Haynie Ave. and University Blvd.; brick and hollow tile, 49x33 ft., 2 stories, cement floors, plaster walls, metal ceilings; Harre M. Bernet, Archt., Melba Bldg., Dallas.*

Va., Petersburg—Market—City, S. D. Craig, Bldg. Inspector, let contract at \$13,000 to E. L. Bass, Law Bldg., to remodel city market, Halifax St.; 1 story, 70x265 ft., concrete floors, metal roof; heating, lighting and plumbing by day labor; refrigerating machinery to Central Construction & Supply Co., Philadelphia, at \$9415; meat cases, Cincinnati Butchers' Supply Co., Cincinnati, \$5136; refrigerators, John R. Livesay, 526 St. Paul Place, Baltimore, Md.; plans by Bldg. Inspector.*

Va., Richmond—City Hall Annex—W. H. Jones has contract for electric work in connection with alterations and additions to old Virginia Mechanics' Institute, 11th and Broad Sts., for city hall annex; plumbing to J. H. Chappell & Bros., 309 E. Main St.; Carnal & Johnston, Archts., Virginia Railway & Power Bldg.; Jas. Fox & Sons, Contrs., 2501 E. Franklin St.; contract for heating lately noted let.*

Dwellings

D. C., Washington—Thos. P. Gore, Woodwafld Bldg., 1726 Massachusetts Ave. N. W., let contract for \$35,000 residence, Rock Creek Park N. W., to Metropolitan Construction Co., 1406 G St. N. W.; 2½ stories, 92x27 ft., stone or brick; J. E. Cooper, Archt., 1421 F St. N. W.*

Fla., Hollywood—Judge Mason, Ojus, is erecting 7-room stucco bungalow, Jackson St. and Third Ave.; C. O. Dickey, Contr.

Fla., Jacksonville—Better Homes Co. has started work on \$10,000 dwelling, St. Johns and Talbot Sts.; 2 stories, tile and stucco, Arcola system of hot water heat; Marsh & Saxonby, Archts., West Bldg.; owners build.

Fla., Jacksonville—Better Homes Co. will erect \$10,000 dwelling, St. Johns and Talbot Sts.; 2 stories, tile and stucco; owner builds.

Fla., Leesburg—O. R. Ciske will erect number of dwellings at Sunnyside in addition to one for personal use under construction; B. F. Ciske, Contr.

Fla., Lemon City—Francis A. Kelly, 1335 N. E. Second St., let contract for 12 Spanish type dwellings, 64th St., to Chas. Grimm, 142 N. W. Tenth Ave., both Miami; concrete block and stucco; total cost \$32,000.

Fla., Miami—Mrs. Adelaide M. Carman, 59 N. E. Second St., has started work on first of 10 bungalows, Sunkist Groves; 1 and 2 stories, block stucco, tile and tar paper roofs, pine and oak floors, cement block foundations; cost about \$4000 each; E. P. Fries, Archt., Lemon City.*

Fla., Miami—Percy Tate Griffiths, Flamingo Hotel, let contract to E. H. Hilton for \$12,000 residence, 502 W. 30th St.; 8 rooms.*

Fla., Miami—Chas. F. Rouchat let contract to Sutcliffe & Fox for \$7500 duplex and \$5500 bungalow, N. W. Fourth St. and 18th Ave.; concrete block and stucco.

Fla., Miami—Percy T. Griffith, Orchard subdivision, is erecting residence, Nautilus subdivision.

Fla., Miami—E. H. Pierson, 301 S. W. First St., has started work on 10 dwellings, N. W. 36th St. near 17th Ave.; cost \$3000 each; plans to erect 50 dwellings within 3 months.

Fla., Orlando—Mills Estates let contract to Fletcher & Bulger for number of dwellings in Merritt Park subdivision; will also let contracts for additional dwellings.

Fla., St. Petersburg—Max H. Fritz will erect \$15,000 residence, 20th Ave., N., and Poplar St.; 2 stories, 10 rooms, brick veneer; Wm. J. Taylor, Contr.

Fla., Sarasota—E. E. Skilin, Fox Lake, Ill., is erecting dwelling on Bay Island near canal and plans to erect 2 additional dwellings.

Fla., Sarasota—Dr. Taylor, Chicago, let contract to Sarasota Home Development Co., Leadley Ogden, Bldg., for number of dwellings on Central Ave.

Fla., West Palm Beach—R. R. Baker will erect \$10,000 residence, Lakewood Drive, Lakewood addition; frame and stucco, 30x40 ft.; C. J. Trevall, Contr.

Fla., West Palm Beach—R. R. Baker will erect \$10,000 tile and stucco residence and garage, 27th Ave., Northwood; 34x64 ft. and 18x24 ft.; C. B. Ewing & Co., Contr.; work started.

Ga., Atlanta—A. F. Ames, Owensboro, Ky., will erect number of English type stucco dwellings in Virginia Highlands; 3 under construction.

La., New Orleans—Wm. E. Heckell let contract at \$11,000 to Jos. Brinker & Son, 1214 Pley St., for duplex building, Solomon Place and Dumaine St.

La., New Orleans—Edw. Markel, 4414 Baronne St., will erect dwellings as follows: Galvez and Jena Sts., Carrollton Ave. near Green St., Miro St. near Napoleon Ave., Beverly Knoll in Metairie Ridge, Audubon Blvd. near Claiborne St., 2 at Louisiana Parkway and Broad Sts.; total cost \$122,000; will also erect \$12,000 residence, Louisiana Parkway and Dorgenols St., for personal use; Mr. Markel to start work about Dec. 6; sub-bids.

Md., Baltimore—S. M. Foulke, 3121 Eastern Ave., has contract for 6 bungalows at Ferndale. A. A. County.

Md., Baltimore—John Development Co. will erect four frame dwellings, S E. side of St. Johns Ave., S. W. of St. Thomas Ave.; 1½ stories, 16x24 ft., shingle roofs; furnace heat; total cost \$10,000; John E. Stansbury, Archt.-Contr., 2852 Pennsylvania Ave.

Md., Baltimore—Carroll Realty Co. will erect 3 brick dwellings, E. side Calow Ave. near Whitelock St.; 3 stories, brick, 38x54 ft., steam heat; total cost \$60,000; H. I. Alder, Archt.-Contr., 2303 Ocala Ave.*

Md., Baltimore—Emmett J. Power will erect 3 frame dwellings, N. side Glen Ave. W. of Gist Ave.; 1½ stories, 26x28 ft., slate roofs, steam heat; total cost \$13,500; owner builds.

Md., Baltimore—Welch Construction Co., 11 E. Fayette St., will erect 8 frame dwellings, N. side Radnor Ave. W. of Crowson St.; 1½ stories, 24x20 ft., shingle roofs; total cost \$20,000; Geo. Wessel, Archt., 3001 Lyttleton Rd.; owner builds.

Md., Cumberland—J. C. Schlund Estate will erect \$10,000 dwelling near Cumberland by day labor and sub-contracts; Mission type, brick and stucco, 2½ stories, 28x36 ft., hardwood, tile and concrete floors, concrete foundation, slate or tile roof, tile hearth, hollow tile, steel sash, steam or hot water heat; bids desired on material and sub-contracts; will also erect \$9000 similar type Colonial dwelling. Address J. B. Brower, Jr. Archt., Cumberland. (See Machinery Wanted—Lumber (Rough and Finished); Flooring.)

Mo., Kansas City—S. J. Cunningham, 3537 Wyoming St., will erect \$10,000 residence, Summit St. and Valentine Rd.; 2 stories and basement, 40x48 ft., brick and stucco; J. W. Gunn, Jr., Contr., 5517 Tracy Ave.

Mo., Kansas City—R. M. Karr, care C. E. Karr, Contr., 504 Victor Bldg., will erect 5 duplex dwellings, 4311-20 Wabash Ave.; 2 stories and basement, 24x40 ft., frame and stucco, cost \$10,000 each.

Mo., Kansas City—W. J. Krebs, Treas.-Mgr., Potts-Turnbull Advertising Co., 300 Gates Bldg., will erect \$15,000 residence, 1260 W. 59th St.; 2 stories and basement, 66x28 ft., brick and hollow tile; W. J. Koch, Archt., 801 Mutual Bldg.; G. L. Minkin, Contr., 3603 Rockhill Rd.

Mo., St. Louis—C. J. Mellis, 6212 Easton St., will erect 24 brick dwellings, 2000-30 Destrehan and 2001-31 Agnes Sts.; 1 story, 22x32 ft., composition roofs, furnace heat; total cost \$72,000; plans and construction by owner.

Mo., University City (Station St. Louis)—Wm. R. Reese, 4556 Lewis Place, will erect \$10,000 residence and garage, 7025 Northmoor Drive; 2 stories, 25x28 ft., and 12x18 ft., brick; Wm. H. Heffelfinger, Contr., 1278 Beulah Ave., both St. Louis.

Mo., University City (Station St. Louis)—Blake C. Howard, 5885 Nina Place, will erect \$10,000 residence, 540 Warren Ave.; 2½

stories, 27x36 ft., brick; Wm. P. McMahon, Archt., Title Guaranty Bldg.; Aug. Gruenschlag, Contr., 5964 Kennerly Ave., both St. Louis.

Okla., Blackwell—W. M. Vickery let contract at \$23,079 to L. S. Fisher for brick veneer residence; 2 stories and basement, 12 rooms, tile roof, oak floors, oak and maple trim, hot water heat; Ellis Charles & Co., Archts., Wichita, Kan.; heating, plumbing and wiring not let.*

Okla., Tulsa—Robt. E. Adams, 2124 S. Norfolk St., is erecting 22 frame dwellings in addition to like number nearly completed, 1300 block N. Boston Place; 1 story, 26x44 ft., double oak floors, interior or tile, shingle roofs, concrete foundations, cost \$3500 each; electric work to Electric Wiring Co., 220 E. Third St.; plumbing, American Plumbing Co., 1337 E. Sxth St.; plans and construction by owner.*

S. C., Spartanburg—W. J. White, Cedar Spring Rd., and E. C. White, Otis Blvd., will erect 100 dwellings near Hayne; cost \$4000 each, hardwood floors, composition roofs. Fiske-Carter Construction Co., Contr., 115 W. Main St.

S. C., Sumter—Geo. D. Levy let contract for brick, hollow tile and stucco residence to W. F. Carr cost without furnishings and equipment, \$18,000; 2 stories, 7 rooms, oak floors, brick foundation, metal Spanish tile roof, interior tile, Lafaye & Lafaye, Archts., Columbia; most of material purchased; hot water heating not let.*

Tenn., Fountain City—Fountain City Land & Development Co., W. H. Prince, Pres., Knoxville, at erecting 10 dwellings in Fountain City Heights; 5 to 10 rooms each.

Tenn., Knoxville—Herbert D. Aston will erect English type dwelling, 2700 block Linden Ave.; tile roof, 1½ stories, 6 rooms, brick and stucco; A. E. Gredig, Mercantile Bldg., Archt.; Mr. Aston has four dwellings under construction and will start additional one; cost \$6000 to \$10,000 each.

Tenn., Knoxville—Schubert Home Building Co., Nicholas Schubert, Pres., will erect 14 dwellings in addition to 18 under construction; cost of former, \$37,000, latter \$70,000.

Tenn., Knoxville—W. H. Sterchi, 1027 Luttrell Ave., let contract at \$22,000 to B. T. Thomas Co for Italian type residence. Magnolia Ave.; 9 rooms, brick veneer and hollow tile, stone trim, 3 baths, vapor vacuum system of heat, hardwood floors; tile roof; Barber & McMurry, Archts., 315 W. Clinch Ave.*

Tex., Dallas—D. A. Barnett, 6136 Bryan Parkway, will erect \$17,500 dwelling, 6005 Gaston Ave.; 9 rooms, brick veneer; owner builds.

Tex., Del Rio—E. F. Measles let contract to H. M. Hutchinson to remodel residence; Morris & Noonan, Archts.-Engrs., Houston Bldg., both San Antonio.

Tex., Gonzales—Sam Ervine let contract to E. R. Nagel for 6-room cottage, East Ave.

Tex., Lamesa—H. F. Williams let contract for \$12,000 brick residence.

Tex., San Antonio—T. E. Burns, 427 W. Magnolia Ave., let contract at \$14,018 to V. L. Rasmussen, Moore Bldg., for 2-story brick veneer residence, Kingshighway near Howard St.; plumbing, Kirkwood & Wharton, 231 W. Commerce St., at \$1486, and wiring \$217; heating, West & Gutzelt, 427 Main Ave., \$1025; Adams & Adams, Archts., Gibbs Bldg.*

Va., Orange—J. E. Hempstead let contract to Fuqua Construction Co., Lynchburg, for residence.

Va., Richmond—Bellevue Park, Inc., let contract to Davis Bros., Inc., 1716 Summit

Ave., for number of dwellings; 2 stories, 25x42 ft., white quartered oak floors, brick foundation, tile, slate and tin roofs; L. Otis Spiers, Archt., 3418 Floyd St.; plumbing and heating to Eanes & Co., Inc., 1305 W. Main St.

Government and State

Tex., Abilene—Remodeling Postoffice and Courthouse—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., let contract at \$19,800 to W. D. Lovell, Minneapolis, Minn., for remodeling and enlarging (about 52x26 ft., 1 story, semi-fireproof) post office and courthouse.*

Hospitals, Sanitariums, Etc.

Fla., Miami—Riverview Hospital has started work on \$20,000 addition; 2 stories, 17 rooms with baths, tile operating room, X-ray room, etc.; John N. Bullen, Archt., Metropolitan Bldg.; R. W. Edholm, Contr.

Miss., Gulfport—United States Veterans' Bureau, Frank T. Hines, Director, Arlington Bldg., Washington, D. C., let contract for \$22,000 storehouse at U. S. Veterans' Hospital No. 74 to Gully & Craig; concrete foundation and floor; hollow tile walls and partitions, stucco exterior finish, built-up roof, wood sash, hardware, plumbing and electric wiring.*

Hotels and Apartments

Fla., Hollywood—Mrs. Marian R. Hutchinson let contract to E. A. Van Atten for 4-family apartment house on Fillmore St.; stucco, 5 garages in rear.

Fla., Hollywood—Paul R. John of Hollywood Land & Water Co. is erecting 4-family, \$75.00 2-story apartment house on East Dixie Highway and Fillmore St.; each apartment to consist of living room, bedroom, dining room, kitchen, porch and bath; 4 garages in rear with apartments above; work by Construction Dept. of Hollywood Land & Water Co.

Fla., Lemon City—Frances Kelly, 1335 N. E. Second Ave., has started work on \$25,000, 12-family apartment house in Liberty Park.

Fla., Miami—Herman Jesse, 504 N. W. 12th Ave., has started work on \$40,000, Spanish design apartment building on N. E. Second Court; 16 three-room apartments, ornamental front, rope stone columns; R. A. Preas, Archt., Miami; owner will supervise construction.

Fla., Miami Beach—William R. Johnson let contract to C. J. Griffin for \$125,000, 48-room, 50x140 ft., hollow tile and stucco, 3-story, Flore de Miami Hotel, Collins Ave.; Wm. F. Brown, Archt., Real Estate Bldg., all Miami.

Fla., Orlando—Mrs. Mary L. Wynne let contract to Jerry Ahern, 414 N. Orange Ave., for \$10,000, 3-story, brick and stucco, 6-apartment building at 511 East Pine St.; P. C. Samwell, Archt., Winter Park.

Mo., Clayton (Ind. Sta. St. Louis)—E. W. Grant, 722 Chestnut St., let contract to E. A. Wagner, for 2 brick apartments on Northwood between Skinker and De Mun, De Mun Park; each 37x53 feet.

Mo., St. Louis—Edgepark Realty & Construction Co., Park Savings Trust Co., 7060 Clayton St., will erect \$16,000, 2-story, brick, 37x53 ft., 4-family flat building in Carrs Subdivision, Richmond Heights; owner builds.

Mo., St. Louis—C. Hehmann will erect \$15,000, 2-story, brick, 45x50 ft. tenement at 4468-70 Shaw St.; composition slate roof; H. Schaumburg, Jr., Archt., 3631 Connecticut St.; owner builds.

Mo., St. Louis—C. Kamp, 3424 Natural Bridge, let contract to P. Mueller, 6656 Oakland St., for \$10,000, 2-story, brick, 35x62 ft. tenement at 4653 Red Bud St.; composition roof, furnace heat; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—West End Realty & Construction Co., 6229 Delmar St., will erect three 2-story, 24x27 ft. brick tenements at 5144-52 Palm St.; composition tile roofs, hot water heat; C. L. Thurston, Archt., Webster Groves; owner builds.

Mo., St. Louis—W. F. Vickery, 1366 Semple Ave., will erect two \$10,000, brick, 2-story flat buildings in Westmoor Park No. 1, Richmond Heights; owner builds.

Mo., St. Louis—I. Lund, 4505 San Francisco St., will erect two 2-story, brick, 25x48 ft. tenements at 4888-90 Kossuth St.; \$13,000; asphalt shingle roof, steam heat; owner builds.

Mo., St. Louis—E. O. Wells, 4119 Maryland St. let contract to E. O. Wells Realty Co., 207 Fidelity Bldg., for two 2-story, 46x34 ft. tenements at 3040-44 Miami St., to cost \$20,000; composition roofs, hot air heat; J. J. Gilbane, Archt., 4539 W. Papin Street.

S. C., Florence—B. P. Sandlin let contract to Mr. Huggins for \$20,000 apartment building, S. Coit and Evans Sts.; 8 apartments and dining room 21x27 ft., brick, 2 stories; each apartment with 2 bedrooms, kitchen, bath room and dressing rooms; Geo. E. Hurteau, plumbing; W. D. Harper, Archt.; all Florence.

Tex., Dallas—Dallas Hotel Co., Commerce & Akard Sts., R. B. Ellifritz, managing director, will receive bids December 8, for erection of 22-story, 300-room addition to Adolphus Hotel, to be known as Adolphus III; cost \$750,000, steel, concrete and brick construction; contract for steel work let; Fred Ophuls, Consit. Engr., 112 W. 42d St., will superintend work; Alfred C. Bosom, Archt., 680 Fifth Ave.; both New York city.*

Tex., Houston—Better Building Co. let contract to Don Hall, Carter Bldg., for three 3-story hollow tile and concrete apartment buildings at Pease Ave. and Travis St.; \$100,000.

W. Va., Spencer—Holmboe & Pogue, Archts., Clarksburg, were selected to prepare plans for 7-story, tourist and commercial hotel; Foreman & Putnam, Contrs., Marietta, Ohio.

Miscellaneous

D. C., Washington—Auditorium—Washington Auditorium Assn. let contract to M. P. Moller, Hagerstown, Md., for \$100,000 pipe organ.*

Fla., West Palm Beach—Clubhouse—Palm Beach Yacht Club let contract to E. H. Barto, for \$50,000 Colonial type, 70x56 ft., 3-story clubhouse, Flagler Drive and Sixth Ave.; designed by Capt. Bruce Kitchell, member of Club.*

La., New Orleans—Community House—Wm. T. Nolan, Archt., Canal-Commercial Bank Bldg., let contract to E. W. Ulrich Glass Co., Inc., 80 Baronne St., at \$11,500, for 32x80 ft., 2-story, frame community house for N. O. B. M. A.; American Plumbing & Heating Co., 749 Baronne St., plumbing and heating at \$2845.*

La., New Orleans—Stable—W. T. Nolan, Archt., Canal-Commercial Bldg., let contract to Otis W. Sharp, 144 Carondelet St., at \$22,373, for 2-story stable, barns and living quarters for help at Fair Grounds.

N. C., Charlotte—Orphanage—Thompson Orphanage, East Fourth St., Rt. Rev. E. A.

Penick, Chmn. Executive Committee, let contract to McRee & Foard, 203 E. Fourth St., at \$38,000, for two 2-story, 42x63 ft., each, brick veneer dormitories; oak and concrete floors, slate roof, concrete foundation, interior tile; Tompkins, Johnston Co., plumbing; M. R. Marsh, Archt., 224 Latta Arcade; all Charlotte.*

Railway Stations, Sheds, Etc.

Ala., Montgomery—Atlantic Coast Line Rwy. Co., J. E. Willoughby, Ch. Engr., Wilmington, N. C., let contract to Hugger Brothers Construction Co., Shepherd Bldg., Montgomery, for freight warehouse and offices, to cost \$100,000; 260x45 ft. with 1-story freight shed and 2 story, brick office building in front; recently reported let to C. C. Kershaw Contracting Co., Woodward Bldg., Birmingham, for grading and to King Lumber Co., Charlottesville, Va., for construction.*

Schools

Ga., Augusta—Paine College Board of Trustees let contract to C. H. Van Ormer, Herald Bldg., Augusta, for \$52,000 3-story girls' dormitory; built-up composition roof, brick foundation, hardwood and concrete floors, plaster board, interior tile; Tisdale, Stone & Pinson, Archts., Independent Life Bldg., Nashville, Tenn.*

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., let contract to Standard Conveyor Co., North St. Paul, Minn., for open spiral escapes at schools Nos. 9, 84 and 103. (Recently reported at Minneapolis, Minn.)*

Md., Salisbury—State of Maryland, Board of Education, Albert Cook, Supt., Lexington Bldg., let contract to Consolidated Engineering Co., 20 E. Franklin St., at \$134,600 to complete north wing and build north connecting wing and boiler room at Salisbury Normal School; provide cafeteria, library and six classrooms; Kingsbury-Samuel Electric Co., 530 N. Calvert St., wiring and electrical fixtures at \$11,063; Enterprise Steam & Hot Water Heating Co., 619 W. Franklin St., heating at \$19,879; all Baltimore; Lewis Morgan, Salisbury, plumbing and water supply at \$27,125; Smith & May, Archts., Calvert Bldg.; Jas. Posey, Mech. Engr., Lexington Bldg., both Baltimore.*

Md., Woodstock—Woodstock College has plans by Emile G. Perrot, Boyertown Bldg., Philadelphia, Pa., and is reported let contract to F. V. Warren Co., 1913 Arch St., Philadelphia, for chapel and dormitory and alterations to cost \$250,000; native granite, chapel to be 2 stories with classroom on ground floor, dormitory to contain about 62 rooms and be 4 stories, 2 water towers 119 ft. high.*

N. C., Boone—Appalachian Training School has plans by and let contract to Poe-Triplett Construction Co., Lenoir, N. C., for dining hall, kitchen, bakery and cold storage buildings. (See Machinery Wanted—Bakery and Kitchen Equipment; Refrigerating Machinery, etc.)

Okla., Shidler—Board of Education let contract to A. J. Simpson, 223 N. 14th St., Muskogee, for 4-room, 1-story and basement, 32x65 ft. school addition; O. J. Valine, Shidler, heating and plumbing; wiring in general contract; A. J. Love & Co., Archts., 206 Lynch Bldg., Tulsa.*

Okl., Webb City—Board of Education, District No. 11, let contract to A. J. Simpson, 223 N. 14th St., Muskogee, for 4-room, 1-story and basement, 32x65 ft. school addition; O. W. Valine, Shidler, heating and plumbing; wiring in general; A. J. Love & Co., Archts., 206 Lynch Bldg., Tulsa.*

S. C., Chester—Chester County Board of Education let contract to Piedmont Contracting Co., Chester, for school buildings at Well's Edge and Richburg.

S. C., Spartanburg—Board of Trustees, Dr. A. D. Cudd, Chmn., let contract to Palmer-Spivey Construction Co., 404 S. Tryon St., Charlotte, N. C. and Augusta, Ga., for 30-room, 3-story addition to Frank Evans High School, to cost \$165,000; contain 30 classrooms, study hall and workshop in basement; Lockwood, Greene & Co., Archts., 24 Federal St., Boston, Mass. and Spartanburg.*

Tenn., Bristol—Sullivan County Board of Education, Blountville, let contract to E. S. Glover, care Archt., for 1-story and basement, brick veneer, 116x40 ft. school building near Bristol in Willy Boom Section; galvanized shingle roof, concrete and brick foundation, oak floors, steel sash and trim; contain 4 classrooms, hall and corridor; cost about \$10,000; major items to be purchased include desks, tables, chairs, etc.; C. B. Kearfoot, Archt., Bristol.*

Tenn., LaFollette—LaFollette and Campbell County Board of Education let contract to W. L. Bishop, LaFollette, at \$27,000, for 2-story and basement, brick school building, oak and maple floors, built-up roof; M. E. Mismer, 212 W. Clinch St., plumbing and heating; Wright-Cason Electric Co., 303 W. Church St., electrical work; R. F. Graf & Sons, Archt., Arnstein Bldg., all Knoxville.*

Tex., Jacksonville—School Board, G. W. Gibson, Pres., let contract to Young, Allman & Wood, Sherman, at \$74,740, for 2-story, semi-fireproof school building; John L. Martin, 217 W. Eighth St., Austin, wiring at \$1193 and plumbing at \$3599; Brown & McLain, 2669 Vickery St., Fort Worth, heating at \$10,995; Page Brothers, Archts., Austin Natl. Bank Bldg., Austin.*

Tex., Lubbock—Board of Regents of Texas Technological College let contract to Young & Pratt, Lubbock, for installing plumbing fixtures in Home Economics and Textile Buildings for which contracts were recently awarded; Sanguinet, Staats & Hedrick, Archts., First National Bank Bldg., Fort Worth; Wm. Ward Watkins, Asso. Archts., Scanlan Bldg., Houston; L. W. Robert, Jr., Consit. Engr., Atlanta. (Noted in detail November 6.)*

Va., Hopewell—City voted \$75,000 bonds; School Board let contract to B. F. Keeler, 537 W. Washington St., Petersburg, at \$130,000 for high school building; Fred A. Bishop, Archt., 904 Virginia Rwy. & Power Bldg., Richmond; Barrett roof, concrete foundation, composition and concrete floors, hollow tile, interior tile, plaster board, ventilators, steel sash and trim, reinforced concrete.

Stores

Ala., Sheffield—John J. Neyhoff let contract to Walker Bros., Fayette, for store building at Jackson Highway and Plant St.

Fla., Fort Lauderdale—Tom M. Bryan started work on 12-room business block on N. Third St.; tile and concrete; offices and apartment above; work under supervision of George Young, Contr.

Fla., Palatka—Mrs. Hannah Kupperbusch has started work on 2 brick stores, each 50x70 ft., on Lemmon St., to cost about \$10,000.

Fla., Pompano—A. M. Johnson is rebuilding structure destroyed by fire; tile and stucco construction.

Fla., Sarasota—Andrew McAnsh is erecting \$10,000 store room in rear of auditorium.

La., New Orleans—S. J. Harmon let contract to M. S. Rudy for 40x150 ft., wood, galvanized iron and concrete business building at 1601 Edwards St., to be occupied by Southern Candies Co., Inc.

Miss., Jackson—R. E. Kennington, E. Carisle St., let contract to Underground Construction Co., 106 N. La Salle St., Chicago, Ill., for constructing foundation for 130x130 ft. addition to department store; upper portion to follow later.

Tex., Houston—Foley Brothers Dry Goods Co., 411 Main St., contemplates enlargement

to cost \$60,000; Jonas & Tabor, Archts., Union Natl. Bank Bldg., Houston; owner builds.*

Warehouses

Ala., Albany—Twin Cities Wholesale Grain Co. is erecting \$10,000, concrete warehouse on Sixth Ave.; H. L. Burleson, Hartselle, has contract for concrete.

Ala., Bay Minette—S. Kahalley is erecting 30x50 ft., brick and concrete warehouse at Hand Ave. and First St.

Tex., Houston—Wm. Cameron & Co., Inc., let contract to J. B. Townsend, West Bldg., for \$20,000, corrugated iron and millwork, warehouse and office building at 2620 Texas Avenue.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Bakery and Kitchen Equipment.—Poe-Triplett Construction Co., Lenoir, N. C.—Wants prices on bakery and kitchen equipment, in connection with their contract for dining hall, kitchen, bakery and cold storage buildings at Appalachian Training School, Boone, N. C.

Blue Printing Machine.—Board of Education, R. M. Milligan, Commr. of School Bldgs., Ninth and Locust Sts., St. Louis, Mo.—Will receive bids December 3 for blue printing machine for Beaumont High School.

Boiler.—Taylor-Parker Co., Box 1183, Norfolk, Va.—Wants one or two return tubular boiler, 100 h.p., 125 lbs. pressure, complete; delivery Norfolk.

Boiler.—City of Owensboro, Ky., J. H. Hickman, Mayor—Will receive bids December 4 for one 500 h.p. boiler, stoker for same and all appliances necessary for complete unit for the municipal electric light plant.

Boring Mill.—Hackley Morrison Co. (Mchly. Dealer) 1708 Lewis St., Richmond, Va.—Wants used 56-inch boring mill, good condition.

Bridge.—Noxubee County, Macon, Miss., will construct and repair 5 bridges. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge.—Sarasota County, Sarasota, Fla. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge.—Allison's Ferry Bridge Co., Florence, S. C.—Details under Construction News—Bridges, Culverts, Viaducts.

Building Material.—Thos. J. Mooney, Delray Hotel Bldg., Box 224, Delray, Fla.—Wants catalogs from manufacturers supplying building materials for houses

Burlap.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids December 3 for 7000 yds. natural color burlap; state number of yards to piece and number of pieces to bale; state prices f.o.b. point of shipment.

Cabinet Work.—Board of Education, R. M. Milligan, Commr. of School Bldgs., Ninth and Locust Sts., St. Louis, Mo.—Will receive bids December 3 for cabinet work at the Beaumont High School.

Calcium Chloride.—Gulf Processing Co., 310 Clark St., DeLand, Fla.—Wants to purchase calcium chloride in car lots; correspond with manufacturers.

Car (Dump).—Wilson-Hock Co., (Mchly. Dealer) City Point, Va.—Wants ten 4 yd. capacity 36-in. gauge Western dump cars, steel lines preferred; for quarry work; Kentucky delivery.

Chairs (Auditorium).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Wants folding chairs for auditorium as follows, 64 single chairs; 54 in groups of two, 120 in groups of three and 160 in groups of four; state time of delivery, etc.

Concrete Mixer.—Hackley Morrison Co. (Mchly. Dealer) 1708 Lewis St., Richmond, Va.—Wants used concrete mixer, in good condition, No. 10 F. Smith or other make,

capacity 10 cu. ft. of mixed materials, operated by 3 phase, 60 cycle, 220 volt motor.

Corks, Containers, etc.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids Dec. 1 for 150 bags of No. 3 tapered corks; 200 opal glass ointment jars, 2 oz.; 5000 glass medicine tubes; state time of delivery.

Crane (Locomotive).—J. C. Steele & Sons, Statesville, N. C.—Wants second-hand locomotive crane that will handle a maximum of 8 or 10 tons on 12-ft. radius, gasoline driven or to be able to convert steam to gasoline; mounted on railroad car wheels.

Crane (Locomotive).—Wilson-Hock Co. (Mchly. Dealer) City Point, Va.—Wants locomotive crane with 1 to 1½ yd. clam shell bucket 50 ft. boom for quarry work; Kentucky delivery.

Curtain (Steel, Stage).—Board of Education, R. M. Milligan, Commr. of School Bldgs., Ninth and Locust Sts., St. Louis, Mo.—Will receive bids December 3 for steel stage curtain for Beaumont High School.

Domestic Science Equipment.—Board of Education, R. M. Milligan, Commr. of School Bldgs., Ninth and Locust Sts., St. Louis, Mo.—Will receive bids Dec. 3 for equipment for domestic science department at Beaumont High School.

Drainage.—Ideal Farms Drainage Dist., M. D. Pooler, Sec., 32 Giddens Bldg., Tampa, Fla.—Will receive bids Dec. 17 for construction of mains, lateral and other work necessary work of reclamation, total yardage 740,000 cu. yds.

Drainage.—F. D. Love, Williamson County Judge, Georgetown, Tex.—Will receive bids December 8 to construct drainage system for the Burkland undercrossing on State Highway No. 2-B; Fed. Aid Project 427; M. C. Welborn, County Engr., Georgetown.

Electric Transmission Line Equipment.—Saluda Public Service Corp., Eugene W. Able, Pres., Saluda, S. C.—Invites proposals on all necessary line material for 33,000 volt transmission line, distance of 5 miles, from poles to wire and transformer station at Saluda.

Electrical Equipment.—Treasury Dept., Supvg. Archt. Office, Washington, D. C.—Will receive bids December 11 for new direct electric service at the U. S. Post Office and Court House, Kansas City, Mo.

Electrical Supplies.—Gulledge Brothers, Verbenia, Ala.—Wants data and prices on electrical supplies.

Electric Wiring and Fixtures.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Will receive bids Dec. 3 for electric wiring and fixtures for addition to Pimlico School, Pimlico Rd. and Thorndale Ave., H. G. Perring, Supvg. Eng.

Elevator (Electric, Freight).—Board of Education, R. M. Milligan, Commr. of School Bldgs., Ninth and Locust Sts., St. Louis, Mo.—Will receive bids December 3 for electric freight elevator for Beaumont High School.

Engine (Gas).—Barboursville Water & Light Co., Barboursville, W. Va.—Wants

35 to 40 h.p. Bessemer gas engine, in good condition; give full description, prices, etc.

Excavation, etc.—Dist. Commrs., Room 509 Dist. Bldg., Washington, D. C.—Will receive bids December 1 for excavating and back filling approximately 9250 lin. ft. for water main.

Flooring.—J. B. Brower, Jr., Archt., Cumberland, Md.—Wants prices on carload shipments of flooring, f.o.b. Cumberland.

Forge Shop Equipment.—Board of Education, R. M. Milligan, Commr. of School Ninth and Locust Sts., St. Louis, Mo.—Will receive bids December 3 for forge shop equipment for Beaumont High School.

Generator.—J. B. Preston Co., Inc., 25 Broad St., New York city—Wants belted generator, 50 to 75 k.w., 3 phase, 550 volts; will consider direct driven with steam or oil engine.

Gymnasium Equipment.—Board of Education, R. M. Milligan, Commr. of School Bldg., Ninth and Locust Sts., St. Louis, Mo.—Will receive bids December 3 for gymnasium equipment for Beaumont High School.

Heating and Ventilating System.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Will receive bids Dec. 3 for heating and ventilating the addition to Pimlico School, Pimlico Rd. and Thorndale Ave., H. G. Perring, Supvg. Eng.

Iron and Wire Work.—Board of Education R. M. Milligan, Commr. of School Bldgs., Ninth and Locust Sts., St. Louis, Mo.—Will receive bids December 3 for iron and wire work at Beaumont High School.

Kindergarten Supplies.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Will receive bids December 3 for supplies for kindergarten classes, Department of Education; John H. Roche, Secretary Board of School Commrs.

Kitchen Equipment.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids Dec. 5 for kitchen equipment for the U. S. Veterans hospital, Dawson Springs, Ky.

Laboratory Supplies.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids Dec. 5 for laboratory supplies.

Lathes.—Board of Education, R. M. Milligan, Commr. of School Bldgs., Ninth and Locust Sts., St. Louis, Mo.—Will receive bids December 3 for lathes for machine shop at Beaumont High School.

Lathe (Engine).—A. C. Love Co., Huntington, W. Va.—Wants screw cutting engine lathe about 60-in. swing, 14 ft. between centers, will accept good low priced loose change gear machine.

Lumber.—J. B. Bower, Jr., Archt., Cumberland, Md.—Wants prices on carload shipments of rough and finished lumber; f.o.b. Cumberland.

Lunch Room and Kitchen Equipment.—Board of Education, R. M. Milligan, Commr. of School Bldgs., Ninth and Locust Sts., St. Louis Mo.—Will receive bids December 3 for

lunch room and kitchen equipment in groups one, two, three, four, five and six, for Beaumont High School.

Machine and Auto Shop Equipment.—Board of Education, R. M. Milligan, Commr. of School Bldgs., Ninth and Locust Sts., St. Louis, Mo.—Will receive bids December 3 for machine and auto shop equipment for Beaumont High School.

Mail Conveying Machinery.—Treasury Dept., Supvg. Architect Office, Washington, D. C.—Will receive bids December 16 for mail conveying machinery in the U. S. Post office and Court House, Philadelphia, Pa.

Mechanical Equipment, etc.—Treasury Dept., Supvg. Archt. Office, Washington, D. C.—Will receive bids December 2 for covering and enclosing driveway, including incidental changes in the mechanical equipment of the U. S. Post Office at St. Petersburg, Pa.

Mechanical Equipment, etc.—Treasury Dept., Supvg. Archt. Office, Washington, D. C.—Will receive bids December 9 for new extensions and miscellaneous changes in the mechanical equipment of the U. S. Post Office, Council Bluffs, Iowa.

Metal Stack, etc.—Treasury Dept., Supvg. Archt. Office, Washington, D. C.—Will receive b'ds December 10 for increasing height of stone and metal stack at the U. S. Post Office and Court House, Grand Rapids, Mich.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Will receive bids December 9 to furnish master station; theater dimmers; voltmeter manila and steel rope; machining and tool steel; wire cloth; wire lath; insect screen; fire extinguishers; punches; forges; cross-cut saws; planes; screw drivers; glasses; life rafts; ensign flags; brooms; soap; cable clamps and clips, etc. Blank forms and information (Circular 1640) on application to offices of Panama Canal; Asst. Purchasing Agents at Fort Mason, Fort San Francisco, Cal.

Mixing (Kitchen) Machines.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids Dec. 18 for heavy duty kitchen machines; give complete description, etc.

Moulding Shop Equipment.—Board of Education, R. M. Milligan, Commr. of School Bldgs., Ninth & Locusts Sts., St. Louis, Mo.—Will receive bids December 3 for moulding shop equipment for Beaumont High School.

Paving.—Lubbock County, Lubbock, Tex. Details under Construction News—Road and Street Construction.

Peeling (Vegetable) Machines.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Will receive bids December 17 for kitchen mixing machines; give complete description, etc.

Pipe (Cast Iron).—City of Richmond, Va., Geo. H. Whifield, Director.—Will receive bids Dec. 1 to furnish 1000 lengths of 4-in. bell and spigot cast iron gas pipe, approximately 116 tons, delivery f.o.b. Richmond.

Plumbing and Vacuum Cleaning.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Will receive bids Dec. 3 for plumbing and vacuum cleaning the addition to Pimlico School, Pimlico Rd. and Thorndale Ave.; H. G. Perring Supvg. Engr.

Plumbing, etc.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Will receive bids December 3 to install new basins, spigots, closets and repairs to fixtures at Baltimore Polytechnic Institute, North Ave. and Calvert St.; C. H. Osborne, Inspector of Bldgs.

Portland Cement.—The Quartermaster, U.

S.M.C., Room 3207, Navy Bldg., Washington, D. C.—Will receive bids December 1 for 600 bbls. of Portland cement, four sacks to barrel; delivery to Marine Barracks, Quantico, Va.

Pumps, Piping, etc.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Will receive bids December 3 to furnish and install boiler feed pumps, pipe work, etc., in boiler room at Bay View Power House; C. H. Osborne, Inspector of Bldgs.

Pumps.—Wilson-Hock Co., (Mchly. Dealer) City Point, Va.—Wants 8x10, 10x12, 12x12 triplex stuff pumps, one or more desired.

Pump.—Hackley Morrison Co., 1708 Lewis St., R. Chmond, Va.—Wants 8-in. motor driven sand pump.

Railing.—Palm Beach Beach County Commrs., Fred E. Fenno, Clk., Palm Beach, Fla.—Will receive bids Dec. 3 to furnish complete all labor, material, supplies, equipment and means of construction necessary to build railing on bridge at Deerfield, Fla.; approximate quantities are 5000 board feet of lumber; Geo. O. Butler, County Engr.

Refrigerating Apparatus.—Board of Education, R. M. Milligan, Commr. of School Bldgs., Ninth and Locust Sts., St. Louis, Mo.—Will receive bids Dec. 3 for refrigerating apparatus for lunch room of the Beaumont High School.

Refrigerating Machinery, etc.—Poe-Triplett Construction Co., Lenoir, N. C.—Wants prices on refrigerating machinery and equipment and machinery for cold storage, in connection with their contract for dining hall, kitchen, bakery and cold storage buildings at Appalachian Training School, Boone, N. C.

Road.—Panola County, Carthage, Tex. Details under Construction News—Road and Street Construction.

Road.—Wilkes County, Washington, Ga., will build 2 roads. Details under Construction News—Road and Street Construction.

Road.—El Paso County, El Paso, Tex. Details under Construction News—Road and Street Construction.

Road.—Baylor County, Seymour, Tex. Details under Construction News—Road and Street Construction.

Road.—Louisiana Highway Comm., Baton Rouge, La. Details under Construction News—Road and Street Construction.

Road.—Calcasieu Parish, Lake Charles, La. Details under Construction News—Road and Street Construction.

Roofing.—Board of Awards, F. A. Dolfield, Register, Baltimore, M. D.—Will receive bids Dec. 3 for roof over fish market at Center Market; C. H. Osborne, Inspector of Bldgs.

Roofing (Slate).—Haynesville Provision Co., Inc., Haynesville, La.—Wants to purchase slate roofing in car lots.

Sanitary Sewers.—See Water Works and Sanitary Sewers.

Seating.—Board of Education, R. M. Milligan, Commr. of School Bldgs., Ninth and Locust Sts., St. Louis, Mo.—Will receive bids December 3 for opera and table arm chairs for Beaumont High School.

Sewer Construction.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Will receive bids Dec. 3 to construct revolving screen building at the Baltimore sewage treatment works, Sanitary Contr. No. 201; Bernard L. Crozier, Highways Engr.

Sewer System.—City Clk., Jefferson City, Mo.—Will open bids December 1 for labor and materials and construction of sewer in District No. 27; work consists of furnish-

ing and laying approximately 380 lin. ft. of 8-in. standard vitrified sewer pipe; 12 joints of 4-in. on 8-in. standard Y connections; building 1 manhole complete with cover and excavating and refilling 400 lin. ft. of trench; F. E. Ross, City Engr.

Sewer System.—City of Tampa, Fla., Wm. E. Duncan, Clk.—Will open bids Dec. 2 for construction of storm sewer on Azeele St., Gray St., Westland Ave., etc., together with manholes, catch basins and appurtenances; following approximate quantities:

For Azeele St. and Packwood Ave. sewer—800 lin. ft. of 30-in., 630 lin. ft. of 24-in., 1240 lin. ft. of 18-in., and 325 lin. ft. of 15-in. pipe; 4 manholes; 26 catchbasins.

Westland Ave. and Gray St.—2852 lin. ft. of reinforced concrete box sewer, 3 ft., 4 ft. 6-in.; 355 lin. ft. of 18-in. pipe; 6 manholes; 22 catch basins; extension of 12th St. sewer; 2044 lin. ft. of 36-in., 228 lin. ft. of 24-in. and 360 lin. ft. of 18-in. pipe; 10 manholes; 20 catch basins; sewer through block 26. Lesley's sub-division—383 lin. ft. of reinforced concrete box sewer, 7x5 ft.; 1 manhole; Chas. N. Tucker, City Pur. Agt.

Sewer and Disposal Plant.—City of Macon Ga., Osgood Clark, Clk.—Will receive bids December 2 for lateral sewers, outfall sewers, disposal plant and appurtenant works, Sanitary Contract No. 3; work includes approximately 18,000 ft. of 8 to 18-in. sewers, septic tanks, sand beds and appurtenant works; Norton, Bird & Whitman, Munsey Bldg., Baltimore, and 600 Grand Bldg., Macon, Consit. Engrs.

Sewers.—City of Baltimore, Md., Howard W. Jackson, Pres., Board of Awards—Will open bids December 3 for building Gwynns Run Trunk Drain, Section 2, compris'ng 740 ft. of 13 ft. 6-in. basket handle storm drain, Storm Water Contract No. 76; also for building storm drains in Sewer District J-4, compris'ng approximately 3800 ft. of storm drains from 15 to 36 inches in diam., Storm Water Contract No. 77; Bernard L. Crozier, Highways Engr., Room 10, C'ty Hall.

Shaper.—J. C. Steele & Sons, Statesville, N. C.—Wants new or good second-hand traveling head shaper 24 to 30-in. stroke, single head.

Signs (Street and Advertising).—E. W. Trove Investments, Box 1195, Asheville, N. C.—Wants metal signs for streets in new townsite of Grovemont, suburb of Asheville; also wants metal advertising roadside signs, advertising real estate.

Slicing (Meat) Machines.—U. S. Veterans' Bureau, Supply Div'sion, Washington, D. C.—Will receive bids December 19 for heavy duty meat slicing machines.

Steel Lockers, etc.—Board of Education, R. M. Milligan, Commr. of School Bldgs., Ninth and Locust Sts., St. Louis, Mo.—Will receive bids December 3 for steel lockers and shelving for Beaumont High School.

Steel Roofing, etc.—The Quartermaster, U. S.M.C., Room 3207 Navy Bldg., Washington, D. C.—Will receive bids December 2 for 350 lin. ft. ridge roll; 850 sheets steel roofing; 16 iron truss rods; 350 l'n. ft. wire mesh; delivery Marine Barracks, Quantico, Va.

Stoker.—See Boiler.

Street Improvement.—City of St. Louis, Mo. Details under Construction News—Road and Street Construction.

Street Improvement.—City of San Benito, Tex. Details under Construction News—Road and Street Construction.

Street Improvement.—City of Montgomery, Ala. Details under Construction News—Road and Street Construction.

Tank.—Wilson-Hock Co. (Mchly. Dealer)

City Point, Va.—Wants 10-ft. diam. 12-ft. high tank, open top w/out agitating equipment; Virginia delivery.

Tanks (Water).—Lorick & Lowrance, Inc., Columbia, S. C.—Wants air pressure water tanks, 300 to 1000 gal. capacity; correspond with manufacturers.

Telephone Equipment.—J. H. Mellon, Sec. Orsini Telephone Telegraph & Power Co., Cocoa Fla.—Will receive bids December 28 for telephone equipment.

Transformers.—See Electric Transmission Line Equipment.

Water Power Plant.—Gulledge Brothers, Verbena, Ala.—Wants prices and data on development of small water power system.

Water Wheels.—Gulledge Brothers, Verbena, Ala.—Wants data and prices on water wheels of various types, used for small water power plant; correspond with manufacturers.

Water Works and Sanitary Sewers.—City of Hapeville, Ga., L. B. Carter, Mayor—Will receive bids December 8 for furnishing material and labor for waterworks and sanitary sewer extensions; following approximate quantities: 17,587 ft. of 8-in., 580 ft. of 10-in., 1,610 ft. of 12-in. sewer p'pe; 69 manholes; 4 automatic flush tanks; ten 10x6 Y-branches, 351-8x6 and branches; 12-ft. 12-in., 12-ft. of 10-in., 48-ft. of 8-in. cast iron pipe sewers; 7 cu. yds. concrete; 25 cu. yds. earth fill; 144 ft. 6-in. riser p'pe; 2 septic tanks; 15,025 ft. of 4-in. cast iron Class B, water pipe; cast iron specials; 9200 ft. of 2-in. galvanized steel pipe; 13 connections to old mains; 24 fire hydrants; 23-4-in. H. E. Gate valves and boxes; 20-2-in. screwed valves and boxes; J. B. McCrary Engineering Corp., Engrs., Citizens and Southern Bank Bldg., Atlanta.

Wood Turning Shop Equipment, etc.—Board of Education, R. M. Milligan, Commr. of School Bldgs., Ninth and Locust Sts., St. Louis, Mo.—Will receive bids December 3 for wood turning and joinery shops equipment for Beaumont High School.

Financial News

New Financial Corporations

Ala., Birmingham—Dekka Investment Co., capital \$30,000, chartered with Dr. Percy H. Woodall, Pres.; R. Dupont Thompson, Title Guarantee Bldg., Sec.-Treas.

Ala., Birmingham—Birmingham Finance Corp., organized by Dr. Thomas Snow, J. Chandler Burton, Herbert L. Hahn and others; Laurie Atkinson and Wm. L. White, Fiscal Agts., 826 Age-Herald Bldg.

Ark., Little Rock—Arkansas Industrial Loan Co., 220 W. Second St., capital \$150,000, organized with J. D. Arnold, Pres.

Fla., Miami—International Realty & Investment Co., Inc., capital \$30,000, chartered with Joseph A. Daly, Pres.; Julio Quetzel, Sec.-Treas.

Fla., Miami Beach—Miami Beach Bond & Mortgage Co., capital \$2,000,000, chartered with M. O. Bridges, Pres.; J. C. Overmyer, Sec.-Treas.

Fla., Miami—First Avenue Holding Co., capital \$50,000, chartered with C. D. Leffler, Pres.-Treas.; Cornelia Leffler, Sec.

Fla., Miami—O'Mara Investment Co., capital \$50,000, chartered with M. J. O'Mara, Pres.-Treas.; C. H. Bancroft, Sec., 109 N. E. Second St.

Fla., Ocala—Cito Investment Co., capital \$20,000, chartered with H. W. Henry, Pres.-Treas.; L. W. Duval, Sec.

Fla., St. Petersburg—State Savings Build-

& Loan Assn., capital \$500,000, chartered by J. W. Lydick, Rex Cole, Dr. A. J. Wood, First National Bank Bldg., and others.

Fla., Tampa—Hawkins Investment Co., capital \$50,000, chartered with M. G. Gibbons, Pres. 823 S. Delaware Ave., Charlotte Rider, Sec.

Fla., Tampa—Real Estate Clearing House, Inc., capital \$10,000, chartered with E. B. Houchoss, Pres.; Douglas McMichael, Sec.-Treas., Stovall Bldg.

Fla., West Palm Beach—Boynton Finance Co., capital \$50,000, chartered with E. B. Donnell, Pres.; Karl Riddle, Sec.-Treas.

Ga., Macon—W. B. Baker interested in organizing intermediate credit bank with \$100,000 capital.

Md., Baltimore—Parkside Building & Loan Assn., 267 S. Ellwood St., capital \$100,000, incorporated by Wm. H. and Ida M. Smith, James H. Goodwin.

Md., Baltimore—Safe & Secure Building & Loan Assn., 563 Calvert Bldg., capital \$150,000, incorporated by Louis Slossberg, Max Eisenberg, Morris Zuskin and others.

Md., Baltimore—Carlisle Building & Loan Assn., 301 American Bldg., capital \$250,000, incorporated by Herman Goldstein, Benjamin Galler, and Benjamin Siegel.

Md., Baltimore—Home Owners Building Assn., Inc., 306 N. Charles St., capital \$100,000 bonds, including \$350,000 water, \$200,000 gas plant, \$232,000 for sewers and bridges; Whitney Curry Mayor.

Fla., Bradenton—Water, Gas, Sewer, Bridge—City plans voting Dec. 15, on \$782,000 bonds, including \$350,000 water, \$200,000 gas plant, \$232,000 for sewers and bridges; Whitney Curry Mayor.

Fla., Clearwater—Road and Bridge—Pinellas County, voted \$75,000 bonds, and defeated \$250,000 bonds. Address County Commrs. Lately noted to vote on \$325,000 bonds.

Fla., Clearwater—School—R. S. Blanton, Sec. Board of Public Instruction, will receive bids Dec. 11 for \$15,000 5 1/2% \$1000 denom. bonds.

Fla., Frostproof—Water Works, White Way, Park, Sewerage System—Town voted bonds. Address Town Clk.*

Fla., Gainesville—Improvement—Board of Public Works, Drayton Avera, Sec., will receive bids Dec. 6 for \$366,000 5% bonds.

Fla., Lake Worth—School—Board of Trustees, W. A. Boutwell, Chmn., contemplates \$125,000 bond issue.

Fla., Oldsmar—Street Paving—Town voted \$75,000 bonds. Address City Clk.

Fla., Tampa—Drainage—Ideal Farms Drainage Dist., W. W. Trice, Treas., Will receive bids Dec. 17 at 32 Giddens Bldg., for \$246,000, 6% bonds.

Fla., Orlando—Indebtedness, Street Improvement—City will vote Dec. 9, on \$430,000 bonds, including \$155,000 indebtedness and \$275,000 paving and street improvement. Address City Clk.

Fla., Tallahassee—Drainage—Board of Commrs. of Everglades Drainage Dist., will receive bids Dec. 2 for \$800,000, 5 1/2%, \$1000 denom. bonds; J. Stuart Lewis, Sec.

Fla., Tampa—Hospital—City plans floating \$1,000,000 bond issue; Perry G. Wall Mayor.

Ga., Atlanta—Hospital—Georgia Baptist Convention, Dr. Milo H. Massey, Americus, interested, authorized \$500,000 bond issue.

Ga., Athens—Hospital—Clarke County Commrs., Tate Wright, Clk., and County Atty., sold \$250,000 bonds to National City Co., New York, at par, accrued interest and premium of \$17,200.*

Ga., Berlin—School—City sold \$10,000 bonds to First National Bank of Moultrie, Moultrie, Ga.

Ky., Fort Thomas—Sewer—City voted \$350,000 5% bonds. Address City Clk.

La., Amite—Sewer—Town, Chas. G. Weishaar, Clk., will receive bids Dec. 1 for \$65,000, 6%, \$1000 denom. bonds.

La., Covington—Street and Sewer—Town sold \$55,000 6% \$1000 denom. bonds to Hibernia Securities Co., New Orleans, at premium of \$975.*

La., DeRidder—Road Improvement—Beauregard Parish Police Jury will receive bids Dec. 9 for \$110,000 6% \$500 denom. bonds; D. W. McFatter, Sec.-Treas.

La., Lake Charles—Paving—City Comm. authorized sale of \$152,000 bonds.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

La., Lake Providence—School—East Carroll Parish School Board, A. W. Warwick, Sec., sold \$8000 6% \$500 denom., School Dist. No. 9 bonds to Stevenson, Perry, Stacy & Co., at premium of \$121.*

La., Pineville—School—Pineville School Dist. No. 28 voted \$20,000 bonds. Address Pres. of School Board.

La., Springhill—School—Springhill School Dist. No. 5 will vote Dec. 5 on \$50,000 bonds. Address Pres. School Board.

La., Thibodaux—Drainage—Board of Commrs., Lafourche-Terrebonne Drainage Dist., sold \$175,000, 5½%, \$500 denom. bonds to Caldwell & Co., Nashville, at 101.*

Miss., Greenwood—River Embankment—Greenwood County sold \$14,000, 5½%, \$500 denom. bonds to Bank of Commerce & Trust Co., Memphis.

Miss., Hattiesburg—Road and School—Forrest County, Herbert Gillis, Clk., will receive bids Dec. 16 for \$299,000 bonds, including \$250,000 Road Paving Dist., \$35,000 Brooklyn School and \$14,000 Rockhill School.

Miss., Hattiesburg—Road—Forrest County voted \$250,000 bonds; H. Gillis, Clk.*

Miss., Magnolia—School—Pike County Board of Supvrs. will call election Nov. 28 on \$25,000 bonds.

Miss., New Albany—School—Board of Aldermen will call election Dec. 4 on \$90,000 bonds.

Mo., Cassville—Bridge—Barry County voted \$100,000 bonds. Address County Commrs.*

Mo., Lees Summit—Water, Sewer—City, Jno. Noel, Mayor, will call election Dec. 2 on \$61,000 water improvement and \$64,000 sanitary sewer system bonds; Miller Fields, City Clk.; E. T. Archer & Co., Engrs., New England Bldg., Kansas City, Mo.

Mo., Mexico—Street Paving—Fred Peek, City Councilman, suggests voting on \$100,000 bonds.

Mo., St. Joseph—Lighting Plant—City defeated \$300,000 bonds; Henry E. Grosser, Mayor.*

N. C., Aberdeen—Street Improvement—Board of Commrs., H. A. Gunter, Clk., will receive bids Dec. 10 for \$60,000, 6%, \$1000 denom. bonds.

N. C., Elizabeth City—Light, Water and Sewerage Systems—Board of Aldermen will receive bids soon for \$800,000, 6%, \$1000 denom. bonds, including \$550,000 to purchase light and water systems, and improve, and \$250,000 to purchase sewerage system.

N. C., Garner—School—City sold \$18,000 Local Tax School Dist. bonds to Wachovia Bank & Trust Co., Winston-Salem.

N. C., Goldsboro—Funding—Wayne County Commrs., J. M. Powell, County Auditor, sold \$130,000, 5%, \$500 denom. bonds to Otis & Co., Cleveland, at premium of \$1,352.*

N. C., Lexington—Street Improvement—Town, Raymond P. Earnhardt, Clk., will receive bids Nov. 28 for \$25,000, 6% \$1000 denom. bonds.

N. C., Murphy—Road—Cherokee County Road Comm. contemplates \$175,000 bond issue.

N. C., Sanford—Sewer—Board of Aldermen sold \$100,000, 5½% bonds to Wachovia Bank & Trust Co., Winston-Salem at premium of \$30.*

N. C., Thomasville—Water—City, B. H. Harris, Clk., will receive bids Dec. 9 for \$260,000, 6% bonds.

Okl., Chickasha—Road—Grady County contemplates voting on \$650,000 bonds. Address County Commrs.

Okl., Tulsa—Water—City sold \$700,000, 5% \$1000 denom. bonds to Gibson & Lee, New York.

S. C., Elko—School—Town voted \$12,000 bonds. Address Town Clk.

S. C., Kingstree—School—Williamsburg County Commrs. sold \$8000 6% \$1000 denom. bonds to J. H. Hilsman & Co., Inc., Atlanta.

S. C., York—Road—York County, Col. T. B. Spratt, Comm. Sec., Fort Mill, will receive bids Dec. 10 for \$1,000,000, \$1000 denom. bonds.

Tenn., Benton—Highway—Polk County Commrs. sold \$50,000, 5% bonds to I. B. Tigrett & Co., Nashville.

Tenn., Chattanooga—Public Utilities Comm. granted authority Southern Cities Power Co., subsidiary of Southern Cities Utilities Co., 322 Volunteer State Life Bldg., to issue \$1,250,000 stock.

Tenn., Cleveland—Road—Bradley County Commrs. sold \$300,000 4¾% \$1000 denom. bonds to I. B. Tigrett & Co., Nashville.

Tenn., Erwin—School—Unicoi County defeated \$35,000 bond issue. Address County Commrs.

Tenn., Memphis—Street Improvement—City, C. C. Pashby, Clk., will receive bids December 9 for \$165,000, 4½% bonds.

Tenn., Trenton—Highway—Gibson County Commrs. sold \$500,000 5% \$1000 denom. bonds to I. B. Tigrett & Co., Jackson.

Tex., Beaumont—School—Board of Education, sold \$60,000 Dist. No. 5 bonds to Stranahan, Harris & Otis Co., Toledo.*

Tex., Coleman—Water Works—City, R. V. Wood, Clk., voted \$125,000 bonds.*

Tex., Crystal City—Irrigation—Zavalla County voted \$200,000 bonds; N. P. Hunt, County Judge.*

Tex., Del Rio—Sewer—Paving—City will vote December 16 on \$150,000 bonds. Address The Mayor.

Tex., Houston—School—School Board, H. L. Mills, Business Mgr., sold \$1,500,000, 5% bonds to Union National Bank, Houston, at par, accrued interest and \$40,000 premium.*

Tex., Houston—Interstate Commerce Comm. granted authority to New Orleans, Texas & Mexico Ry. Co., C. S. Kirkpatrick, Ch. Engr., Houston, to issue \$3,752,000, first mortgage 5½% bonds, bonds together with \$981,000 first mortgage 5% bonds to be sold at not less than 99 and 92% of par, respectively.

Tex., Madisonville—Road—Madison County Commrs. sold \$157,000 5½% Road Dist. No. 1 bonds to E. A. Toeblman, Galveston, at premium of \$150.

Tex., Marlin—Road—Falls County, Walter S. Hunnicut, Judge, will receive bids December 1 for \$115,000, 5% bonds.

Tex., Paducah—Water-Works—City, John W. Carroll, Mayor, voted \$125,000 bonds.*

Tex., Plainview—School—Plainview Independent School Dist. voted \$120,000 bonds; J. F. Sander, Sec., Board of Trustees.*

Tex., Plano—Street Paving—City will vote this week on \$20,000 bonds. Address The Mayor.

Tex., Ronda—Street Improvement—Town, G. C. Poplin, Clk., will receive bids Dec. 3 for \$30,000 6% \$1000 denom. gold bonds.

Tex., San Saba—Sewage System—City will vote Jan. 6 on \$60,000 bonds. Address The Mayor.

Tex., Sherman—Street Paving—City contemplates voting on \$50,000 bonds. Address The Mayor.

Tex., Snyder—Street Paving and Improvement—City, A. C. Pruitt, Sec., will call election Dec. 1 on \$50,000 bonds.

Tex., Temple—School—Board of Education, Dr. O. F. Gober, Pres., contemplates calling election for \$250,000 to \$300,000 bonds.

Va., Danville—Refunding—City, Richard P. Moss, City Auditor and Clk., will receive bids Dec. 2 for \$100,000 4½% \$100 denom. coupon bonds.

Va., Hopewell—School—City voted \$75,000 bonds; Roy S. Braden, City Mgr.*

Va., Hopewell—City sold \$200,000 6% bonds to Walter Woody & Heimerdinger, Cincinnati.

Va., Lynchburg—School—Street Improvement—City sold \$350,000 school and \$100,000 street improvement bonds to Equitable Trust Co., New York city, at 100.537; E. A. Beck, City Mgr.

Va., Richmond—School—City contemplates \$1,000,000 bond issue; R. Keith Compton, Director of Public Works.

Va., Salem—General Improvement—Town, J. P. Broome, Mgr., sold \$225,000 4½% bonds to Well, Roth & Irving Co., at discount of \$11,400.*

Va., Suffolk—Public Improvement—City sold \$200,000, 5% bonds to Mottu & Co., Norfolk.

Financial Notes

Clinton Building & Loan Assn., 900 S. Clinton St., Baltimore, Md., increased capital \$1,040,000.

Purity Building & Loan Assn., 2612 E. Fairmont Ave., Baltimore, Md., increased capital to \$300,000.

Tennessee Mutual Building & Loan Assn., Chattanooga, Tenn., plans increasing capital from \$500,000 to \$1,000,000; Chas. Hon. V-P., 500 Allison St.

Board of Directors of Federal Reserve Bank of Richmond, Va., recommends establishing branch at Charlotte, N. C.

Prudence Bond Co., 331 Madison Ave., Wm. M. Geve, Pres., New York, N. Y., will open offices in Sarasota, Fla.; Samuel W. Gumpertz, Coney Island, N. Y., and Sarasota, interested.

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The first daily newspaper in this country to be printed on Kraft paper was issued on September 23 by the *Monroe News Star* of Monroe, La. The product used was that of the Brown Paper Mill Company of West Monroe, La., the grade being their Brown's No. 1 Kraft.

An interesting fact in connection with this issue was that forty-eight hours before the edition was off the press, the pine logs from the pulp of which the paper was made were piled in the mill yard.

Another interesting feature was the carbon used in making the printing ink was produced in the Monroe gas field belt, this section producing eighty per cent of the black carbon used.

(From Paper Trade Journal October 2, 1924)

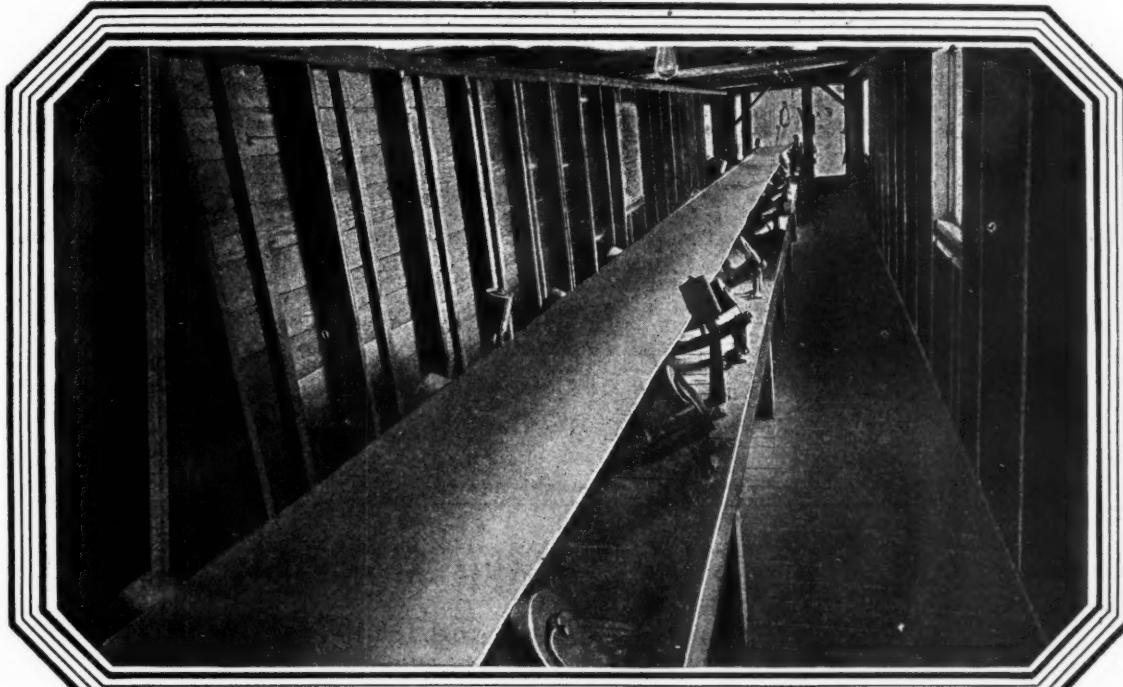
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Montreal, Canada London, England

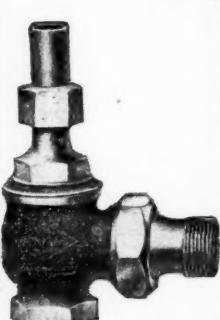
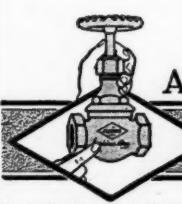


Fig. 170. Jenkins Radiator Angle Valve, with union and key operated lock shield for preventing unauthorized tampering.



Always marked with the "Diamond"

Jenkins Valves

SINCE 1864

ALUMINUM TRADE CHECKS

for Commissaries, Factories and Mines,
in denominations of 1c to \$1.00. Metal
checks for any purpose.

Write for prices.

Bennett Printing & Stamp Co.
25 South Pryor St.
Atlanta, Ga.

We Buy Bonds

City, County, School and Road, from
Municipalities and Contractors

WRITE

THE PROVIDENT SAVINGS BANK & TRUST CO.
CINCINNATI OHIO

If You Are Interested in the South

You need the

Manufacturers Record
Exponent of America

If you are not a regular subscriber and do not
receive every issue, you are missing many
opportunities to keep closely in touch with the
section you are interested in.

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WE extend the facilities of our organization to those desiring information or reports on companies with which we are identified.

Electric Bond and Share Company

(Incorporated in 1905)

Paid-up Capital and Surplus, \$60,000,000

71 Broadway

New York

Maybe This Bank Is Different From Others

Its policy is pleasing 16,000 customers who are its friends. Address us in regard to your financial requirements.

BALTIMORE COMMERCIAL BANK

Gwynn CROWTHER, President

Pratt Street and Market Place, Baltimore, Md.

Capital and Surplus \$1,000,000 Member Federal Reserve System

MARYLAND TRUST COMPANY

BALTIMORE

Transacts a General Trust and Banking Business

Correspondence and interviews invited

CAPITAL, \$1,000,000

Municipal Bonds

Inquiries invited from municipalities and contractors. We buy city, county, district, school, road, lighting, water works and other municipal issues.

A.C. ALLYN AND COMPANY

71 W. Monroe St., Chicago, Ill.
New York Milwaukee Minneapolis Boston

REAL ESTATE MORTGAGE BONDS

We are interested in the purchase of first mortgage bond issues covering business property, hotels, apartment houses, etc., in amounts of \$50,000 and upwards. Entire issues city, county and district bonds purchased.

MARX AND CO.

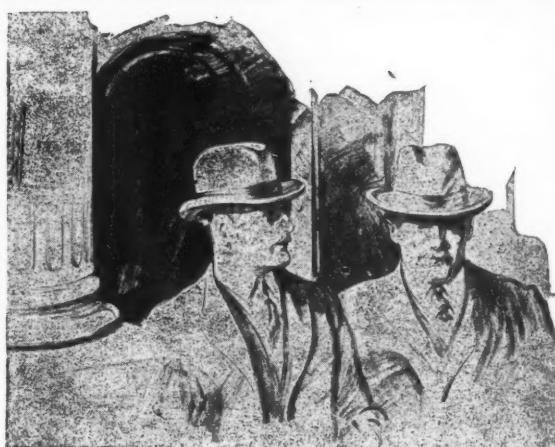
Brown-Marx Bldg. Birmingham, Alabama

WE BUY MUNICIPAL BONDS

We are interested in the purchase of Southern Municipal bonds including road, school, county, drainage and levee bonds.

M. W. ELKINS & CO.

Southern Trust Bldg. Little Rock, Ark.



A Business Man's Investment—New Style

"FOR safety and income, give me a good, sound first mortgage on real estate, every time," he used to say. When he died, after having been a client of our house for a decade, his holdings of Miller First Mortgage securities totaled over \$100,000.

"We are not through buying Miller Bonds," one of his heirs assured us, when we had re-purchased some of the bonds to facilitate the settlement of the estate. "We are going to keep our surplus where it will be safe—as he did."

This idea of safety—of a reserve investment wholly apart from the risks of every day business—is getting a strong grip on men of affairs. Miller First Mortgage Bonds, paying up to 7 per cent, are a "business man's investment," *new style*. Not the kind which may possibly show him a market profit, but the kind which he knows will never cause a loss.

To any investor who would like to know how to compare a Miller Bond with an ordinary corporation bond, we will send information on the Four Distinguishing Marks. Write today.

G. L. MILLER & CO.

2711 Hurt Building, Atlanta, Ga.

New York Philadelphia St. Louis Pittsburgh
Buffalo Memphis Knoxville



SOME FIGURES ON PIPE

Statistics show that in 1913 the total production of welded iron pipe in the United States was 276,067 gross tons, while in 1920 this production had decreased to 199,673 gross tons.

During the same period, the production of welded steel pipe grew from 1,969,465 gross tons to 2,803,052 gross tons, an increase of 833,587 tons.

These figures show conclusively the rapid substitution of steel for iron in welded pipe. This substitution is particularly marked in merchant or standard sizes, used principally for building construction, plumbing, heating and general purposes.

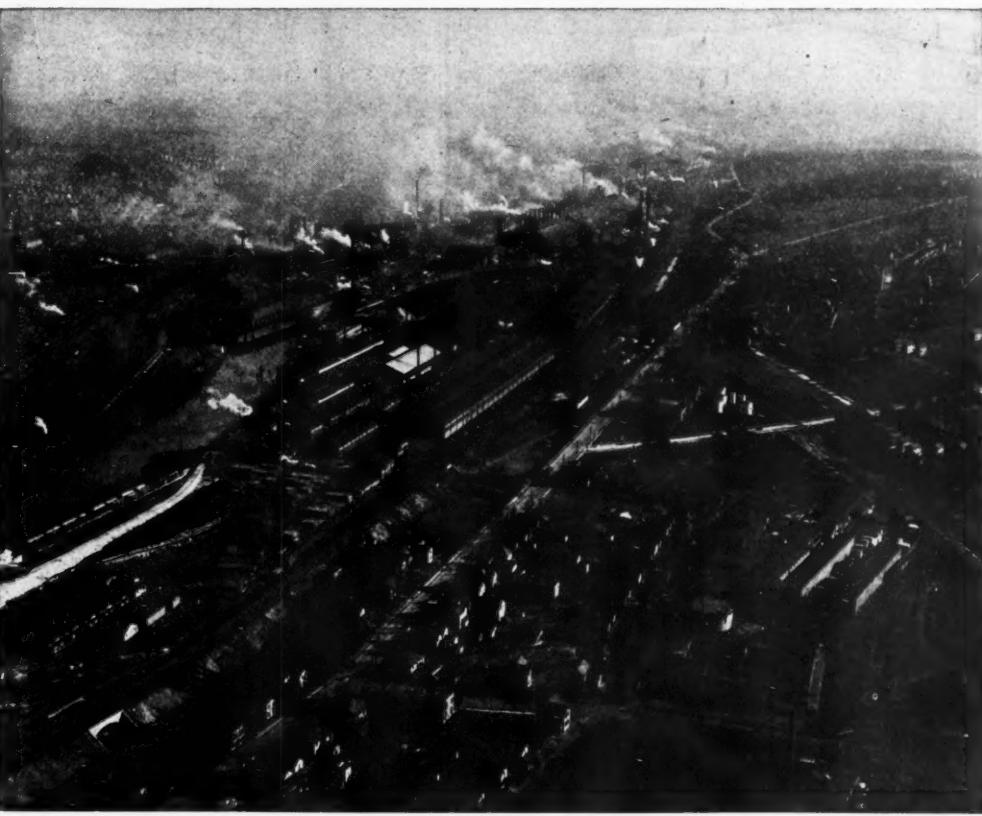
From which it will appear that there is practically no question as to the superiority of steel as a material for the manufacture of welded pipe.

Incidentally, "Youngstown" Pipe is made from the very best steel that can be manufactured for this particular purpose, and every operation is conducted with the greatest care.

THE YOUNGSTOWN SHEET AND TUBE CO. Youngstown, Ohio

DISTRICT SALES OFFICES :

BOSTON.....	Massachusetts Trust Bldg.	CHICAGO.....	Conway Bldg.
NEW YORK.....	Hudson Terminal Bldg.	ST. LOUIS.....	Post Dispatch Bldg.
PHILADELPHIA.....	Franklin Trust Bldg.	DENVER.....	First Nat'l. Bank Bldg.
ATLANTA.....	Healey Bldg.	DALLAS.....	1401-2 Magnolia Bldg.
PITTSBURGH.....	Oliver Bldg.	SAN FRANCISCO.....	Sharon Bldg.
CLEVELAND.....	Union Trust Bldg.	SEATTLE.....	Central Bldg.
DETROIT..	2021-2022 First Nat'l. Bank Bldg.	KANSAS CITY, MO.	1308 Commerce Bldg.
CINCINNATI....	1634-35 Union Trust Bldg.	MINNEAPOLIS.....	608 Andrus Bldg.
		NEW ORLEANS.....	Audubon Bldg.



This is an aerial view of one of our units at Youngstown, Ohio, showing the by-product coke plant, Haselton blast furnaces, open hearth steel works, including blooming, billet, sheet bar, plate and merchant bar mills and also the pipe mills. Thousands of acres of ground are utilized by this company in its service to the steel buying public.

REPUBLIC IRON & STEEL COMPANY

General Offices: Republic Building Youngstown, Ohio

Sales Offices:

Boston New York Philadelphia Detroit Birmingham Cleveland
Buffalo St. Louis San Francisco Cincinnati Chicago Pittsburgh Dallas

REPUBLIC

Trade Literature

Valuable Shipping Guide.

The Newport News (Va.) Shipping Guide and Sailing List, dated November 15, 1924, gives the schedules of steamship lines maintaining regular service out of that port. It is issued monthly by the municipality, of which C. C. Smith is mayor and C. E. Douglas city manager. It is compiled and edited by the Newport News Chamber of Commerce, of which Godfrey L. Smith is president and Oliver A. Reynolds secretary. Special attention is directed to the fast freight service of the Chesapeake & Ohio Railway and its connections and to the frequent ocean steamer service, congestion being thus entirely avoided.

Converters and Tumbling Mills.

The Whiting Corporation, Harvey, Ill., has issued two new trade publications: Catalogue No. 173 relating to their side-blow converter and Catalogue No. 174 to their tumbling mills. Each is fully illustrated and contains complete information concerning these products of the company. The outline drawing showing a modern steel foundry layout which appears in the first of these booklets will be appreciated by users of such equipment as is described. The second book also shows a foundry layout with the use of tumbling mills. This latter booklet contains a long list of installations made by the company. These booklets are punched for filing in a binder.

A Book About Public Utilities.

A new sixteen-page booklet issued by H. M. Bylesby & Co., 208 South LaSalle St., Chicago, contains a great deal of interesting information regarding the growth of the Standard Gas & Electric Co. and its operated public utilities. Particular attention is directed to the charts on the inside of the last cover page, the figures therein being complete as of June 30, 1924, with comparisons extending back over a period of several years. Pictures are given of plants at various places, including Louisville, Ky., and Muskogee and Oklahoma City, Okla. A two-page map shows the location of the different properties of the company in the West, the Southwest, the Northwest and on the Pacific Coast.

"Overcoating" Old Houses.

"New for Old" is the title of a booklet issued by the Atlas Portland Cement Co., 25 Broadway, New York. Among other interesting statements contained in its pages is the following: "The average old home of frame construction, aside from architectural changes, can be overcoated with stucco made with At-

las White Portland Cement for about the cost of painting the house twice. And such a treatment of its exterior is a permanent improvement." It is further stated that this stucco is as permanent as concrete and it also makes a house strongly resistant to fire. Besides, it makes the house warmer in winter and cooler in summer. The booklet has many attractive pictures.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Representative Appointed.

The Conveyors' Corporation of America, 326 West Madison street, Chicago, Ill., have appointed Frederick E. Bausch, 1105 Chemical Building, St. Louis, Mo., as district representative of their organization in the eastern part of Missouri and the southern part of Illinois.

Mill Property to be Sold.

Elsewhere in this issue appears a formal announcement of the forthcoming sale of a mill with water power at Manayunk, Philadelphia, Pa. There is also railroad siding for shipping facilities. The property is to be sold at 2 P. M. Wednesday, December 10, on the premises. Particulars will be found in the advertisement and a booklet may also be obtained from the auctioneer, Joseph P. Day, 67 Liberty street, New York city.

New Line of Compressors.

A new line of multi-stage, centrifugal compressors, designed to supplement the line of single-stage machines recently developed, is now being marketed by the General Electric Co., Schenectady, N. Y. These new compressors have been especially developed for furnishing various volumes at higher pressures than are ordinarily obtained with single-stage machines. They will find their greatest applications in blowing blast furnaces, Bessemer converters, gas boosters, gas exhausters, in pneumatic material handling systems, in the agitation of liquids, etc. Higher efficiencies are claimed for them. Installations have al-

ready been made for the Mystic Iron Co., Gillette Safety Razor Co., Metropolitan Utilities District of Omaha, Utica Gas & Electric Co., New Bedford Gas & Electric Co., Public Service Corporation of New Jersey, etc., all turbine driven.

Removal of Paint Plant.

Removal of the Steelcote Manufacturing Co. of St. Louis, Mo., from their old quarters at 700 North First street to their modern paint plant—a \$150,000 establishment—at Theresa avenue and Gratiot street, was completed lately with but slight interruption in production, due to the installation of new equipment throughout. The change of location marked the tenth anniversary of the company. The new quarters are four stories in height, besides basement, and the building is of reinforced concrete construction.

Small High-Speed Electric Hoist.

The Rooper Crane & Hoist Works, Inc., Reading, Pa., have developed a new small electric hoist that will complete their range of electric hoists from 500 pounds to 20,000 pounds capacity. This hoist was designed to meet the need for a high-speed electric hoist of small capacity for use in places where chain blocks are no longer suitable. It has a positive automatic stop, which affords protection in extremes of lifting and lowering. The hoist is worm-gearred, with the worm placed above the gear, which removes the cause of considerable wear. This hoist is known as Type R.

Will Build 100 Dwellings at Hayne, S. C.

Spartanburg, S. C.—A residential development which will involve the erection of 100 dwellings has been started at Hayne by W. J. White and E. Z. White, who have awarded contract to the Fiske-Carter Construction Co. of this city to erect the dwellings. The houses, estimated to cost \$4000 each, will be equipped with hardwood floors, composition roofs and French doors. Construction will begin at once.

Create Irrigation District and Vote \$200,000 of Bonds for Dam.

Crystal City, Texas, November 22—[Special.]—Landowners in this vicinity have created an irrigation district and voted \$200,000 of bonds for the construction of a dam across Nueces River looking to the irrigation of 10,000 acres of valley land. The dam will be 150 feet long, 50 feet high and 40 feet wide at the bottom. Terrell Bartlett, engineer, of San Antonio, has made surveys for the proposed dam and canal system. A board of directors of the district, consisting of R. A. Taylor, J. P. Walker, W. C. Hardaway, H. P. Walker and L. Wagner, will have charge of construction work.

Another large irrigation project is on foot among landowners along the Nueces River, a few miles south of here.

Carolina Textile Corporation Chartered.

Dillon, S. C.—A charter has been granted by the North Carolina Secretary of State to the Carolina Textile Corporation, Norman A. Cocke and Martin L. Cannon of Charlotte, and J. W. Cannon of Concord, N. C., being named as incorporators. The new company has acquired the Dillon Mills at Dillon and Hamer, S. C., the former being equipped with 27,000 ring and 8640 twisting spindles for the production of hosiery and weaving yarns, and the latter with 13,500 ring and 6480 twisting spindles for making hard yarns.

Architect for \$250,000 Hospital.

St. Joseph, Mo.—Eugene Meier of this city has been selected as architect for the proposed emergency hospital to be erected here by the city. The building will be located on a 25-acre site on Eleventh street north of Lake Boulevard and is estimated to cost \$250,000.

The State Highway Commission, Jefferson City, Mo., will include in its budget to be presented to the State Tax Commission an item of \$250,000 to erect a building for the use of the commission.

— PROPOSALS —

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS

Bids close December 15, 1924.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., November 21, 1924. SEALED PROPOSALS will be opened in this office at 3 P. M. December 15, 1924, for the construction of a new balcony (of about 210 sq. ft. area) in lobby and workroom, together with stairs to same, additional lock box bays and lighting fixtures at the U. S. Postoffice, Orlando, Fla. Drawings and specifications may be obtained from the Custodian of the building or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

RATE: 35 cents per line per insertion
PUBLICATION DAY: Thursday.
FORMS CLOSE 4 P. M., Monday.
DAY LETTER: When too late to send copy by mail to reach us by 4 P. M., Monday, forward by day letter.
THE DAILY BULLETIN OF THE MANUFACTURERS RECORD: Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest. The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements. The same rate applies—35 cents per line per insertion.

Bids close December 2, 1924.

\$800,000 5 1/2% Drainage Bonds

Tallahassee, Fla.

The Board of Commissioners of Everglades Drainage District will offer for sale at 11 o'clock A. M. Tuesday, December 2, 1924, at the office of the said Board in the Capitol Building, Tallahassee, Florida, \$800,000 Serial 5 1/2 Per Cent Bonds of the Everglades Drainage District, authorized by Chapter 9119, Laws of Florida, Acts of 1923. Said bonds dated January 1, 1924. In Denominations of \$1000 each.

\$25,000 maturing 1932, 1934, 1935, 1936, 1941 and 1942;
 \$50,000 maturing 1937, 1939, 1940, 1943, 1945 and 1947;
 \$75,000 maturing 1946 and 1948;
 \$100,000 maturing 1944 and 1949.

These bonds are exempt from taxation.
 For further information address

J. STUART LEWIS, Secretary.

Bids close December 5, 1924.

\$750,000 5 1/2% Road Bonds

HILLSBOROUGH COUNTY, FLORIDA, EAST TAMPA SPECIAL ROAD AND BRIDGE DISTRICT No. 2.

Tampa, Fla.

Sealed bids will be received by the Board of County Commissioners in care of the undersigned at his office in Tampa, Florida, until 11 o'clock A. M. December 5, A. D. 1924, for the purchase of the above bonds, dated January 1, 1925, denominations \$1000, principal and semi-annual interest (5 1/2% J. and J. 1), payable in gold in New York city, New York, maturing 1-1-30 \$18,000, 1-1-31 \$20,000, 1-1-32 \$20,000, 1-1-33 \$20,000, 1-1-34 \$20,000, 1-1-35 \$22,000, 1-1-36 \$25,000, 1-1-37 \$25,000, 1-1-38 \$25,000, 1-1-39 \$25,000, 1-1-40 \$28,000, 1-1-41 \$30,000, 1-1-42 \$30,000, 1-1-43 \$30,000, 1-1-44 \$30,000, 1-1-45 \$34,000, 1-1-46 \$35,000, 1-1-47 \$35,000, 1-1-48 \$35,000, 1-1-49 \$35,000, 1-1-50 \$40,000, 1-1-51 \$42,000, 1-1-52 \$42,000, 1-1-53 \$42,000, 1-1-54 \$42,000, all inclusive, without option of prior payment. The bonds are to be prepared under the supervision of the United States Mortgage & Trust Company, New York city, New York, which will certify as to the genuineness of the signatures of the county officials and the seal impressed thereon. Legality will be approved by Chester B. Masslich, Esq., New York, whose approving opinion will be furnished to the purchaser without charge. The validity of said bonds to be established by decree of the Circuit Court of Hillsborough County, Fla. The bonds are general obligations of the District, payable from an unlimited ad valorem tax levy made by the Board of County Commissioners under the authority of law. Proposals are required on blank forms, which will be furnished by the undersigned, and must be enclosed in a sealed envelope, marked "Proposals for Bonds," and be accompanied by bond running to said Board, with sureties, and satisfactory to the Board, conditioned that the bidder will comply with his bid, or by certified check in an amount equal to 2% of the face value of the bond. Delivery at place of purchaser's choice about January 1, 1925.

The right to reject any and all bids is reserved.

W. R. WATKINS,
 Clerk Board of County Commissioners.

tracts for construction, ownership and operation, and to pass on the toll to be charged and incorporate the same into the several respective contracts between said Commission and such contracting parties; providing for approval by said Commission of the plans and specifications of all such bridges, viaducts, fills or trestle structures as to the public safety; to prohibit the construction and operation of any bridge, viaduct, fill or trestle structure and approaches thereto, etc., conflicting in any way with any contract between said Commission and any such contracting parties; to prohibit interference with such contracting parties in the management and operation of such bridges, viaduct, etc., except for public safety or compelling compliance with its contract providing for the purchase and acquisition by the State after twenty years of any such bridge, viaduct, fill or trestle structure, under the terms of the contract made by said Commission regarding same."

The Commission reserves the right to reject any and all bids and proposals.

LOUISIANA HIGHWAY COMMISSION.

W. E. ATKINSON, Chairman.

W. B. ROBERT,

State Highway Engineer.

Bids close December 17, 1924.

Water Works System

Ellmore, S. C.

Sealed proposals will be received by the Commission of Public Works of Ellmore, S. C., on blank forms to be furnished by the Engineers not later than 2 P. M. December 17, 1924, in the office of the Commission for the following:

FROM GENERAL CONTRACTORS—The installation of a complete water-distribution system, the town to furnish the piping, valves, hydrants and fittings.

Furnishing material and erecting one 100,000-gallon concrete reservoir, one building and tank foundations.

Erecting pumping machinery.

FROM WELL DRILLERS—One or more 10-inch deep wells and deep well pumps.

FROM MANUFACTURERS—Furnishing pumping machinery. Furnishing and erecting one 75,000-gallon steel tank mounted on 100-foot tower.

A certified check for \$3000 will be required from proposals from General Contractors. No check is required from well drillers or manufacturers or well drillers.

The Commissioners reserve the right to reject any or all bids.

Plans and specifications are on file in the office of the Secretary of the Commission. Copies may be obtained from the Engineers upon deposit of \$10, which deposit will be returned when plans and specifications are returned.

COMMISSIONERS OF PUBLIC WORKS.

E. F. IRICK, Chairman.

J. T. GREEN.

P. P. HUNGERPILLER.

S. D. BERRY, Secretary.

RYAN ENGINEERING CO., Engineers, Arcade Building, Columbia, S. C.

Bids close December 2, 1924.

Sewers and Disposal Plant

Sealed proposals will be received by the Mayor and Board of Aldermen of Macon at the City Hall until 7:30 P. M. Tuesday, December 2, 1924, for lateral sewers, outfall sewer, disposal plant and appurtenant works, Sanitary Contract No. 3.

Plans, specifications and proposal forms may be obtained at the office of the City Clerk, City Hall, Macon, on depositing \$5.00, returnable in part.

Bids must be accompanied by a certified check of \$1000, made payable to the Mayor and Board of Aldermen of Macon. The work to be done includes approximately 18,000 feet of 8-inch to 18-inch sewers, septic tanks, sand beds and appurtenant works.

The Mayor and Board of Aldermen reserve the right to reject any or all bids, to waive irregularities and to accept the bid they deem best to the interests of the city.

OSGOOD CLARK, City Clerk, City Hall, Macon, Georgia.

M. E. GOODE, Chairman Sewer Committee.

NORTON BIRD AND WHITMAN, Consulting Engineers, Baltimore—Macon.

Bids close December 10, 1924.

Bridge and Approaches

Florence, S. C.

Sealed proposals for construction of bridge and approaches across Great Pee Dee River, between Florence and Marion Counties, will be received by the undersigned at Florence, S. C., until noon December 10, 1924.

The work consists of approximately the following quantities:

4335 Linear Feet Treated Timber Bridge.
 25,000 Cu. Yds. of Earth Fill.

510 Cu. Yds. Concrete in Piers.

One 250 Foot Steel Span.

Plans and specifications can be had from Johnson & Roberts, Engineers, Marion, S. C., for \$3.00 without refund.

ALLISON'S FERRY BRIDGE BOARD.

Bids close December 15, 1924.

Toll Bridges

NOTICE TO CONTRACTORS, PERSONS, FIRMS, CORPORATIONS AND ASSOCIATIONS OF PERSONS.

Baton Rouge, La.

THE LOUISIANA HIGHWAY COMMISSION by and under authority of Act No. 141 of the Regular Session of the Legislature of Louisiana, for the year 1924, will receive and entertain bids and proposals up to twelve o'clock noon Monday, December 15, 1924, at its office, fourth floor of the Raymond Building, Baton Rouge, Louisiana, for the construction, maintenance, operation and ownership of toll bridges and the approaches and protection work thereto over and across the Atchafalaya River at or near Melville, Louisiana, and over and across the Atchafalaya River at or near Simsport, Louisiana, said bridges to be constructed, maintained, owned, controlled and operated in accordance with said Act No. 141, entitled

AN ACT

"To provide for the letting of contracts for the construction, ownership and operation of bridges, viaducts, fills or trestle structures, etc., by the Louisiana Highway Commission to persons, firms, corporations or associations of persons organized and existing for the purpose of such construction, ownership and operation, and relative to contracts to be let to such persons, firms, corporations or associations of persons by said Commission for such construction, ownership and operation, directing and empowering said Commission to let such con-

Bids close December 3, 1924.

Sewer**DEPARTMENT OF PUBLIC IMPROVEMENTS.**
SUB-DEPARTMENT OF THE HIGHWAYS ENGINEER.

Baltimore, Md., November 19, 1924.
Sealed bids or proposals in duplicate addressed to the Board of Awards in care of the City Register for building storm drains in Sewer District J-4, in the City of Baltimore, as shown on plans on file in the office of the Highways Engineer, comprising approximately 3800 feet of storm drain from 15" to 36" in diameter, as embraced in Storm Water Contract No. 77, will be received by the City Register at his office, City Hall, Baltimore, Maryland, until Wednesday, December 3, 1924, at 11 o'clock A.M., at which time they will be publicly opened by the Board of Awards and read.

Each bid must be accompanied by a certified check of the bidder on a clearing-house bank, payable to the Mayor and City Council of Baltimore, to the amount of Eight Hundred and Fifty Dollars (\$850).

Bond in the amount of the contract price will be required of the successful bidder.

The Board of Awards reserves the right to reject any or all bids.

Plans and specifications and bidding forms may be obtained at the office of the Highways Engineer, Room 10, City Hall, upon deposit of Five (\$5.00) Dollars, which deposit will be refunded provided the plans and General Specifications in case a bid is submitted, or the plans, General Specifications and Special Specifications in case no bid is submitted, are returned to the office of the Highways Engineer at or before 11 A.M. on the date set for opening the bids.

BERNARD L. CROZIER,
Highways Engineer.
STEUART PURCELL,
Chief Engineer.

Approved:
HOWARD W. JACKSON,
President Board of Awards.
GEORGE E. KIEFFNER,
Assistant City Solicitor.

Bids close December 3, 1924.

Sewer**DEPARTMENT OF PUBLIC IMPROVEMENTS.**
SUB-DEPARTMENT OF HIGHWAYS ENGINEER.

Baltimore, Md., November 19, 1924.
Sealed bids or proposals in duplicate addressed to the Board of Awards in care of the City Register for building Gwynns Run Trunk Drain, Section 2, comprising 740 feet of 13' 6" basket-handle storm drain, as embraced in Storm Water Contract No. 78 and shown on plans on file in the office of the Highways Engineer, City Hall, Baltimore, Maryland, will be received by the City Register at his office, City Hall, Baltimore, Md., until Wednesday, December 3, 1924, at 11 A.M., at which time they will be publicly opened by the Board of Awards and read.

Each bid must be accompanied by a certified check of the bidder on a clearing-house bank, payable to the Mayor and City Council of Baltimore, to the amount of Eight Hundred and Fifty Dollars (\$850).

Planned check of the bidder on a clearing-house bank, drawn payable to the order of the Mayor and City Council of Baltimore, in the amount of One Thousand Dollars (\$1000). Bond in the amount of the contract price will be required of the successful bidder.

The Board of Awards reserves the right to reject any or all bids.

Plans, specifications and bidding forms may be obtained at the office of the Highways Engineer, Room 10, City Hall, Baltimore, Maryland, on deposit of Five Dollars (\$5.00), which deposit will be refunded provided the plans and General Specifications in case a bid is submitted, or the plans, General Specifications and Special Specifications in case no bid is submitted, are returned to the office of the Highways Engineer in good condition at or before the time set for opening the bids.

BERNARD L. CROZIER,
Highways Engineer.
STEUART PURCELL,
Chief Engineer.

Approved:
HOWARD W. JACKSON,
President Board of Awards.
GEORGE E. KIEFFNER,
Assistant City Solicitor.

Bids close December 3, 1924.

Addition to School Building

Baltimore, Md., November 18, 1924.

PROPOSALS will be received by the Board of Awards of Baltimore City for the erection of the ADDITION TO PIMLICO SCHOOL, Pimlico Road and Thorndale Avenue, Baltimore, for the Mayor and City Council. Proposals may be made on the building contract, on the Heating and Ventilating, Plumbing and Vacuum Cleaning Systems and Electric Wiring and Fixtures.

BIDS must be executed in duplicate and enclosed in sealed envelopes, addressed to the Board of Awards of Baltimore City, marked on the outside: "PROPOSALS FOR ADDITION TO PIMLICO SCHOOL." In the case of a bid for one of the separate mechanical items the envelop shall be further marked on the outside in a manner to indicate which of the mechanical items is being bid upon, thus: "HEATING AND VENTILATING"; "PLUMBING and VACUUM CLEANING"; "ELECTRIC WIRING and FIXTURES." All bids will be left with Mr. Frederick A. Dolfield, City Register, at his office in the City Hall on or before 11 o'clock Wednesday, December 3, 1924.

EACH BID must be accompanied by a certified check of the bidder upon some Clearing-house Bank, made payable to the Mayor and City Council, in amounts as follows:

Bids for the building complete, \$10,000.

Bids for heating and ventilating, \$2000.

Bids for plumbing and vacuum cleaning systems, \$1000.

Bids for electric wiring and fixtures, \$500.

The successful bidder will be required to give bond and comply with the City Charter respecting contracts.

Drawings and Specifications may be seen at the office of the Supervising Engineer of

the Public Improvement Commission, Hearst Tower Building, Baltimore, on and after Thursday, November 20, 1924.

The Board reserves the right to reject any or all bids or to award the contract to one bidder for the building alone, and to another or other bidders the contract for the heating and ventilating, the plumbing and vacuum cleaning system, electric wiring and fixtures.

PUBLIC IMPROVEMENT COMMISSION.
H. G. PERRING,
Supervising Engineer.

Approved:
STEUART PURCELL,
Chief Engineer.

Approved:
HOWARD W. JACKSON,
President Board of Awards.

Approved:
GEORGE KIEFFNER,
Assistant City Solicitor.

Bids close December 8, 1924.

Jail

Contractors are invited to submit bids for the erection of the new jail at Greeneville, Tennessee, based on the plans and specifications in the hands of the building committee, which may be seen by calling on said committee. If preferred, a copy of the same will be furnished those desiring to submit bids on deposit of \$15 with the Secretary or Architect as guarantee of return within 10 days. Separate bids will be received for the construction of the building, the heating and plumbing, the wiring and electrical fixtures and the jail equipment, as well as for the whole.

All bids must be in the hands of the Architect or Secretary by one o'clock December 8, 1924. With each bid certified checks for 10% will be required as guarantee that contract will be entered into if bid is accepted. The committee expressly reserves the right to reject any and all bids submitted.

Full particulars may be had by calling upon or addressing C. A. Tarwater, Architect, 613 Market street, Knoxville, Tenn., or the undersigned:

J. W. HOWARD,
Secretary of Building Committee,
Greeneville, Tennessee.

**Sublet Cement Finish,
Floors and Walks.**

Wanted to sublet lot of cement finish, floors and walks. Apply
KING LUMBER CO.,
Charlottesville, Va.

Bids close December 2, 1924.

Street Flusher

Bids received up to December 2 for seven hundred fifty and one thousand gallon capacity Street Flusher with and without truck.

TOWN OF LELAND, MISSISSIPPI.
J. H. O'QUINN, Clerk.

**CLASSIFIED OPPORTUNITIES****MINERAL AND TIMBER LANDS WATER POWER, MISCELLANEOUS PROPERTIES**

OPPORTUNITY for man with capital, big market in a growing country; 585 acres, 60 kaolin brick and tile clay, known depth 100 feet; also large deposit granite gravel for road building; good townsite; railroad runs through the land.

H. J. TAYLOR, Shamrock, Tex.

NORTHWEST GEORGIA.

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays; large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Georgia.

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MINERAL AND TIMBER PROPERTIES WANTED**WANTED.**

TO HEAR from parties having mineral properties for sale.
UNITED MINERALS CO., Roanoke, Va.

GRANITE ROCK QUARRY

GRANITE ROCK QUARRY.
Near Eatonton, Ga., Bargain.
F. P. STUBBS,
Eatonton, Ga.

COAL LANDS AND MINES

AUCTION SALE—1800 acres Pittsburgh and 825 acres Redstone coal, near Clarksburg, W. Va. Excellent quality and thickness. December 6, 1924. One-third cash, balance one and two years. Judicial sale at sacrifice. Opportunity for fine investment. Taney Harrison and Kemble White, Special Commissioners, Clarksburg, W. Va.

MINERAL AND TIMBER LANDS WATER POWER, MISCELLANEOUS PROPERTIES**COAL AND TIMBER LAND**

FOR SALE—About 3100 acres of Pocahontas Coal Land, with 2500 acres of timber, near the C. & O. Railroad, in Raleigh County, West Virginia. Address P. O. Box 248, Hinton, W. Va.

TIMBER AND TIMBER LAND

FOR SALE—15,000,000 feet Pine Timber just turpined; fine timber solid body; near Mobile, 4 miles to railroad; fee or lease. H. M. LINDSEY & CO., Mobile, Ala.

FARM, FRUIT AND TRUCK LANDS**FLORIDA**

40,000 ACRES—Very best type high rolling citrus land in heart of Florida in the midst of most magnificent lakes, rivers and springs. Estate must be closed at early date. Full particulars from J. H. Brinson, Tallahassee, Florida.

WE OWN 12,000 ACRES of Everglade Muck land. Soil over 10 feet deep. Adjoining lands now under cultivation. Sixteen miles of rocked surfaced roads and navigable canals already constructed. This tract fronts on the Cross State Highway. For sale at an attractive price.

CONSOLIDATED REALTY COMPANY,
223 Clematis Ave., West Palm Beach, Fla.

EVERGLADES LANDS.

5000 acres on and adjacent to Hillsboro Canal. Ten miles west of Deerfield and F. E. C. Railway. Elevation 14 feet; depth of muck 8 feet. Price thirty dollars an acre. Liberal terms.

Owner, W. W. DEWHURST,
St. Augustine, Florida.

FLORIDA—Playground of the Rich; Paradise of the poor. The fastest developing State in the Union, and Roger Babson, the great business statistician, says that TAMPA is destined to be the greatest city in the Southeast. Come and be one of us. We have Home, Grove or Farm for you. Send today for booklet, "Largest Orange Tree in the World," and list. Tampa-West Coast Realty Co. (Inc.), Opp. Postoffice, "Since before the war," Tampa, Fla.

7000 ACRES black Everglade land, near Hialeah and Miami, in tracts of 100 to 560 acres each; only \$65 an acre. Special price on entire tract. Snake Creek canal runs 7 miles through land. Land especially adapted for citrus fruit, sugar cane, cattle, poultry, dairying and general farming. No clearing required. Similar lands in California sell for \$1000. This land has same potential value. Write or wire

PHIL DELANY.

Third floor, Lawyers Bldg., Miami, Florida.

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"GREAT WINTER GARDENS."

SMALL farms in five, ten and twenty-five-acre tracts, ready for immediate cultivation; high and dry, but suitable moisture for citrus fruit culture and winter vegetables. Sold on easy payment plan. Investigate today. Literature furnished on Okeechobee opportunities, the next boom city of Florida, backed up with rich opportunities. Charles up with rich opportunities. CHARLES L. HENCK COMPANY, 70 N. E. Second St., Miami, Fla.

GEORGIA

GEORGIA, BRYAN COUNTY—For Sale, A Farm and Game Preserve; acres, 2850. Beautiful waterfront; just the place for a quiet winter home. Old Fort McAllister is here. Fine for truck and general farming. Good fishing, including shad fishing and oyster grounds. Satsuma oranges, pecans, peaches, pears, plums and figs do well. Five flowing wells on the place. Write for price and particulars.

Mrs. M. J. Sasser, Ways Sta., Ga.

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MOST DELICIOUSLY flavored pecan nut you ever tasted. Not paper shell; 5 lbs. \$2.25, 10 lbs. \$4.50, 20 lbs. \$7.50, 100 lbs. \$35. Delivered, postage or freight paid. Kingsbury, 714 Gunter Building, San Antonio, Texas.

BUSINESS OPPORTUNITIES

FOR SALE—Machine and Welding Shop, Iron-ore Mines, Quarries, Sawmill and general-repair work, located in the Mineral district of Muscle Shoals.

W. L. SHERWOOD, Russellville, Ala.

MEM. AM. Soc. C. E. is ready to buy a civil engineering and surveying practice. Please state when available, price, terms, net earnings. Inventory equipment; all information held confidential. Address No. 6390, care of Manufacturers Record.

CAPITAL WANTED—To develop townsite; on 640 acres that two railroads and state highway cross on in S. E. Oklahoma, surrounded by coal, oil, gas and farming. Write J. E. Cavanagh, McAlester, Okla.

BANKER WANTED with \$15,000 to join citizens in organizing new \$25,000 bank. Mississippi county seat town, 1700 people; railroad, two highways. State experience. Write No. 6392, care Manufacturers Record.

TOWNSITE AND LAND DEVELOPMENT PROPOSITION.

8000 acres, near Mobile, on Mobile River (deep water), highway and railroad running through property. Stream across property will develop several hundred hydro-electric horsepower; \$20 per acre; easy terms. J. V. Smith, care of Southern Realty Co., Mobile, Alabama.

WANTED TO CONTRACT with someone to manufacture and job my All-Weather Hammock, made of galvanized material. Will stand rough usage all kinds weather. Can sell for less than any hammock on the market. Patent pending.

N. S. COLE, Newbern, Tenn.

I SPECIALIZE in industrial, warehouse and business sites at and adjacent to Washington, D. C.

M. B. HARLOW,
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DO YOU WANT A DESIRABLE ARTICLE TO MANUFACTURE OR MARKET?

A manufacturing company now manufacturing and marketing an article having enormous trade possibilities finds itself unable to properly manufacture and market the article on account of geographical location and lack of finances. The article is patented in this country and in Canada, other patents pending, and bears a copyrighted trade name. Will consider sale of rights on royalty basis or sell outright at reasonable price. Address No. 6393, care of Manufacturers Record.

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Can purchase 12 miles of broad-gauge railroad located on Smith River and the Winston-Salem Division of the N. & W. Ry., about 40 miles south of Roanoke, Virginia. Net earnings for 1924 now in bank \$10,000; 4800 acres of mineral land with high quality and large deposit of proven iron ore. Over \$50,000 spent for improvements. Hotel, store, office and homes for labor; extra-fine water power. NO ENCUMBRANCE. Owned by one party; stock cancelled down from \$600,000 to \$150,000, covering everything. Will sell on long time or join some lucrative enterprise in development. Address

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FOR SALE—Two Flour Mill or other Factory Sites located in Staunton, Va. Connections with two R. R.'s. Water and Electric power VERY LOW PRICE for quick sale. For particulars apply at once to A. Lee Knowles, Real Estate, Staunton, Va.

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For Sale or Lease, plot 250 by 1200 feet, centrally located on deep water and railroad yards. Exceptional location for factory, warehouse or terminals. Myron L. Howard, 215 Mitchell Bldg.

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NOTICE, Manufacturers—Sites near great electric power plant. Low power rates. Free taxes. Two railroads. Good building sites. Secretary Chamber of Commerce, Burgin, Ky.

RADFORD, VIRGINIA, offers ideal advantages for industrial enterprises, furniture factories, cotton mills, paper mills, veneer plants, etc. Low tax, plenty good labor, splendid train service and co-operation of city and citizens. Address City Manager for information.

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WILKES COUNTY, N. C., can produce 42 million feet of lumber annually; only uses 7 million feet by local factories, leaving a yearly supply of 35 million feet available at mill prices for Furniture, Chair, Refrigerator, Veneer, Flooring, Shooks, Toys, etc. Abundance of American labor, fine climate and pure water and other manufacturing conditions excelling. A fine location for a pulp mill on account of an inexhaustible supply of wood. For full information write

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A SOUTHERN COTTON MILL
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26 years' experience in Southern Mill Stocks.

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FOR SALE—FULLY EQUIPPED WOODWORKING PLANT.

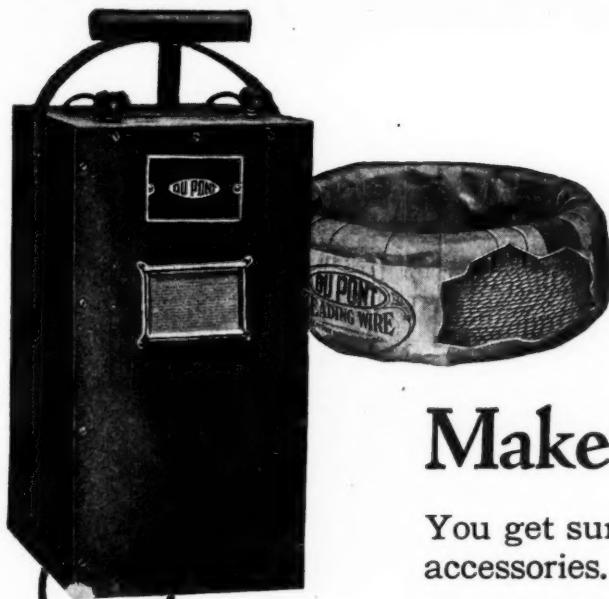
One-story galvanized sheet-iron building 50x100 feet, with concrete floor; 2 1/4 acres of land, with two railroad frontages of about four hundred feet each, in corporate limits. Address No. 6389, care of Manufacturers Record, Baltimore, Md.

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STEEL FABRIC is a base and reinforcement for stucco and plaster — it combines 6 building materials into 1; namely, sheathing, building paper, lath, "furring," reinforcement and nails.

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